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DECEMBER 19 1964



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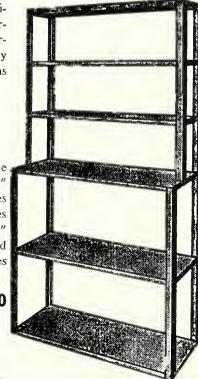


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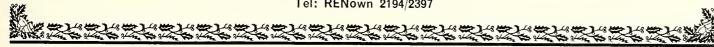
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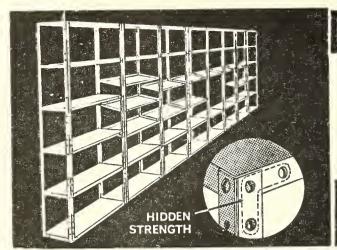
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INDEX TO ADVERTISERS

Abbott Laboratories, LtdInterleaved Edit., 11 André Philippe, Ltd
Beecham Food & Drink DivisionInterleaved Edit., 7 Brown, N. C., Ltd
Cox, Arthur H., & Co., Ltd
Daniel, Richard, & Son, Ltd. 6 Davenport, J. T., Ltd. 4
F.A.I.R. Laboratories, Ltd Interleaved Edit., 8 Fryer & Co. (Nelson), Ltd
Gledhill, G. H., Ltd
Heron, John H., Ltd. (Froment)
Mason, Wm., & Son, Ltd. (Nordia Shopfitting) 6
Pfizer, Ltd Front Cover Phillips, Scott & Turner Co
Rochdale Metal Products, Ltd
Smith & Hill (Chemists), Ltd. 13 Suttley & Silverlock 4
Torbet Lactic Oat Co
Whitmarley Displays, Ltd. 4 Wood Bastow (Elastics), Ltd. Interleaved Edit., 10 Wright, Layman & Umney, Ltd. 3 Wyeth, John, & Brother, Ltd. Interleaved Edit., 9
Zeal, G. H., Ltd

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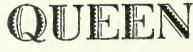
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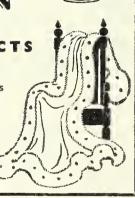
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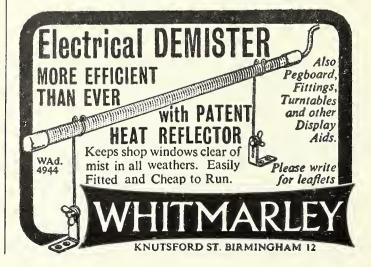
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Official organ of the Pharmaceutical Society of Ireland and of the Pharmaceutical Society of Northern Ireland

Abordeon Prize giving

December 19, 1964

No. 4427

604

CONTENTS

Aberdeen Prize-giving				604	
A Dublin Manufacture	r Expan	ıds		614	
Branch Events				612	
Christmas Holiday Clos	sings			607	
Correspondence				608	
Experiences of a Master	Tablet-	maker		609	
In Parliament				605	
Leading Articles:				47	
Objections Underlined	1			611	
Sunday Trading and I	Rotas			611	
New Books		• / •		613	
New Irish Licentiates				614	
New Products and Packs	s			608	
Pharmaceutical Society	y of	Irelan	rd:		
Council Meeting				613	
Sunday Trading				604	
Topical Reflections	• • •			603	
Business Changes 606	Marriage	· S			606
Coming Events 617	New Co				616
Commercial Television 617	News in				603
Company News 605	News of	the W	eek		601
Contemporary Themes 618	Patents -				618
Deaths 606	Personal	ities			606
Expansion Plans 612	Prescribe	ers' Pres	SS		
Irish News 602	Scottish	News			602
Legal Reports 605	Trade N				618
Local Officers 603	Trade N		***		607
Manufacturers'	Trade F				615
Activities 614	Wills			***	617

Index to Advertisers, p. 2. Classified Advertisements, p. 15.

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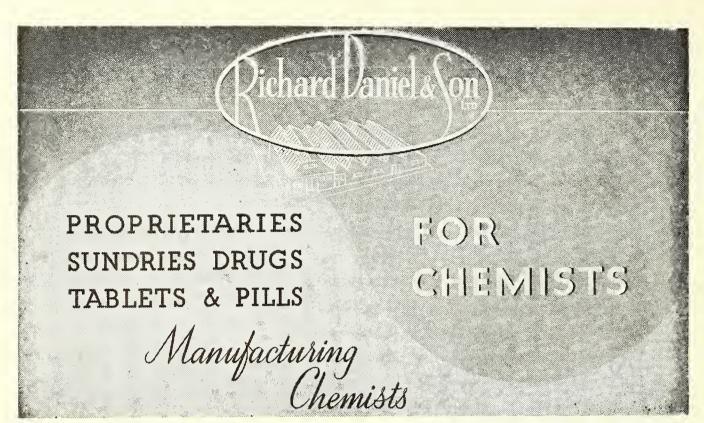
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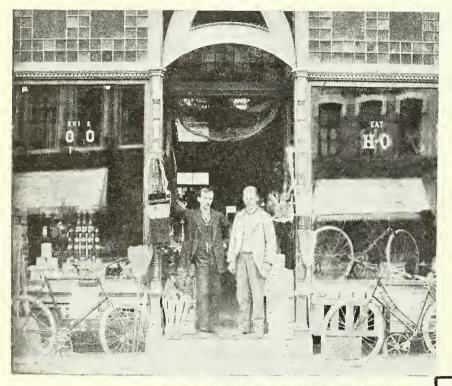
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Volume 182

DECEMBER 19, 1964

No. 4427

Tablet Identification

SEARCH FOR "WORKABLE METHOD"

REPRESENTATIVES of the British Medical Association, the Association of the British Pharmaceutical Industry and the Pharmaceutical Society of Great Britain held a meeting on December 8 at which they agreed to investigate further the possibility of finding a suitable and workable method for rapidly identifying tablets. The Pharmaceutical Society offered to prepare a report and submit it to a further tripartite meeting to be held on February 9, 1965.

Arbitration in N.H.S.

HEALTH MINISTER MEETS STAFF LEADERS

THE Minister of Health (Mr. K. Robinson) and the Joint Parliamentary Under Secretary of State for Scotland (Mrs. J. Hart, M.P.) met at the Ministry of Health on December 10 a deputation of the Staff Side of the General Whitley Council for the Health Services (Great Britain) led by Mr. G. A. Drain (chairman). The deputation discussed a number of matters relating to the scope and functioning of the Whitley Council machinery and, in particular, arrangements for arbitration and the need for an arbitration agreement, disciplinary machinery, the present exclusion of certain matters from Whitley Council negotiations and delays in the working of the system. Mr. Kenneth Robinson said that he wished the machinery to work efficiently and harmoniously, and he would consider the matters raised. On certain points he would ask his officers to enter into early discussion with the Staff Side.

Hospital Supplies

MINISTRY SETS UP A COMMITTEE

THE Ministry of Health has set up a committee of senior hospital service officers under the chairmanship of the Controller of the Ministry's Supply Division to examine the arrangements for obtaining hospital equipment and supplies. Chairman is Mr. J. F. Hunt, C.B.E. (Ministry of Health). Other members are: Messrs. R. Atkinson (supplies officer, Newcastle-on-Tyne Hospital Management Committee), S. H. J. Blake (house governor, Royal National Orthopædic Hospital), J. C. Field (secretary, Southend Hospital Management Committee), J. Gibbon (secretary, Manchester Regional Hospital Board), R. H. Killick (finance officer, Boston Hospital Management Committee), W. M. Naylor (secretary, Sheffield Regional Hospital Board), Sheffield Regional Hospital Board), Margan and Hospital Board (secretary, Margan and Hospital) J. B. Parry (secretary, Morgannwg Hos-

pital Management Committee), F. Rushton (treasurer, South-western Regional Hospital Board), J. E. Williams, M.P.S. (supplies officer, United Bristol Board of Governors). Secretary is Mr. R. W. Moran (Ministry's Supply Division). The committee's terms of reference are: "To review the present organisation for the purchase and dis-tribution of goods and equipment (other than items normally supplied as part of an initial building contract) for the Hospital Service in England and Wales on both capital and revenue accounts; and to make recommendations."
The Ministry states that "it is not likely that the Committee will wish to invite evidence to be given formally but any organisation which would like to make known its views on the hospital supply function is invited to write to the secretary at 14 Russell Square, W.C.1."

Salaried Pharmacists

NEW ORGANISATION FORMED

FORMALITIES for the amalgamation of the Registered Pharmacists Union and the National Association of Salaried Pharmacists into one body have been completed, and the Salaried Pharmacists' Union has been registered

DONATED BY EM-PLOYEES: Employees of T. & H. Smith, Ltd.. manufacturing chemists, Edinburgh, have donated complete furnishings for the dining room of a new spastic day centre es-tablished by the Edinburgh and District Spastic Association at Spanic Association at Ellersley Road, Edin-burgh, Mr. G. G. Halliday (works mana-ger and a director) handed over the furniture. With him in the picture are Miss R. Stroyan (warden); Mr.



A. Pow (chairman, Blandfield Works Spastic Association); another benefactor to the centre, and Mr. J. Haston (chairman of the Spastic Association).

as a non-political union of pharmacists with full trade union status. The aim of the Union is the "promotion of the status and economic well-being of the pharmacist as an essential member of the community." The annual meeting is being held at Conway Hall, Red Lion Square, London, W.C.1, at 2.15 p.m. on February 21, 1965. Representation on the Union's council will be both sectional and geographical. both sectional and geographical.
Groups represented will be (1) non-proprietor pharmacists (retail) including managers, assistants, superintendents and directors; (2) hospital and public authority pharmacists, and (3) laboratory, technical, teaching and administrative pharmacists, and other categories.

The officers of the Union are:—

The officers of the Union are:—

President, W. A. Beanland, Vice-president,
G. H. Sheard, Treasurer, R. Sykes, Secretary,
D. J. Gibson, Council, Messrs, R. F. Abbott,
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Morecambe, W. A. Beanland, New Romney,
S. Durham, Sheffield, D. J. Gibson, London,
S. Gottlieb, London, A. G. Madge, Plymouth,
F. J. Neale, London, G. H. Sheard, Dartford,
R. Sykes, Ilford, Essex, J. G. Robson, Newcastle-on-Tyne, C. E. Turner, Stoke-on-Trent,
and F. C. Wilson, London, Northern Area
Secretary, S. Durham, 42 Fossdale Road,
Sheffield, 7. Western Area Secretary, A. G. M.
Madge, 1 Saltburn Road, Plymouth, Devon.

Five-day Week for 25,500

BOOTS' SCHEME BEGINS SOON

A FIVE-DAY, forty-hour week is being introduced by Boots, Ltd., for over 25,500 employees in the company's retail branches. The scheme, which will begin not later than February 1, 1965, provides for staff to have a full day off each week in addition to Sunday. In each shop, staff is being divided into groups having a different day off in rotation each week, resulting in a long week-end break (Saturday, Sunday and Monday) every six weeks. Staff retained on the half-day when the branch is normally closed for shopping will concentrate on routine administrative work now undertaken throughout the week, thus enabling more time to be devoted to customers' requirements during shopping hours. Pharmacists will continue to work a five-and-a-half-day week but will receive time off in lieu according to local circumstances. In 1961 Messrs. Boots introduced extra leisure days off for staff. An experimental five-day week has been under trial in ahout 100 branches.

British Pharmacopæia

AMENDMENTS TO MONOGRAPHS

THE following amendments to the monographs on heparin and heparin injection announced by the British Pharmacopæia Commission are mainly for the purpose of giving official recognition to heparin obtained from the intestinal mucosa of oxen, sheep and pigs. The amendments are official from January 1, 1965.

Heparin

Page 354, lines 5 and 6 (from foot). Delete "It contains not less than 110 Units per m.g.." and insert: "It is prepared from (a) the lungs of oxen (Heparin (Lung): Heparin Sodium (Lung))," or (b) the intestinal mucosa of oxen. pigs or sheep (Heparin (Mucous): Heparin Sodium (Mucous)). Heparin (Lung) contains not less than 110 units per mg. and Heparin (Mucous) contains not less than 130 units per mg., both."

Page 355, Labelling, After "manufacture," insert:—"; (3) the source of the material as 'Heparin (Lung),' 'Heparin (Mucous)' or 'Heparin Sodium (Mucous)'."

Page 355. Dose. Delete ", in accordance with the prothromhin activity of the blood."

Heparin Injection

Page 356, Labelling, After "manufacture," insert: "and the type of Heparin present."

Page 356. *Dose*. Delete ", in accordance with the prothrombin activity of the blood."

APPENDIX XV E. Biological Assay of Heparin

Page 1136. Add the following statement: "In the biological assay of Heparin (Mucous) or Heparin Injection prepared from Heparin (Mucous), the Standard Preparation used is heparin of mucous origin. 1st British, 1964, consisting of freeze-dried heparin from the intestinal mucosa of oxen and containing 118-4 Units in 1 mg. (0.008446 mg. contains 1 Unit): it is dispensed in ampoules containing exactly 1,250 Units."

SCOTTISH NEWS

Listing Employee Voters

GENERAL COUNCIL SEEKS INFORMATION

PHARMACISTS in Scotland who are continuously employed by chemist contractors or in hospitals or health centres, are eligible to take part in the elections for Local Pharmaceutical Committees in March 1965, provided their names are included in the list of electors prepared by the returning officer. Employers have been asked to furnish the necessary information about their own employees, but if that has not been done pharmacist employees should send to the secretary, Pharmaceutical General Council (Scotland), 36 York Place, Edinburgh, 1, not later than January 11, 1965, the following information:—

(a) Full name and private address(b) Employer's name and address

(c) Executive Council area in which employed.

For representatives of chemist contractors there is a separate election, for compiling electoral lists for which, the necessary particulars are already available

Remuneration Survey

NATIONAL SALARY AGREED

AN investigation into income and expenditure of a representative sample of chemist contractors in Scotland is being carried out on behalf of the Pharmaceutical General Council (Scotland) and the Scottish Home and Health Department. The consultants' report is then being submitted to both sides of the Pharmaceutical Whitley Council Committee B. The chemists' representatives concerned with the sampling scheme insisted that, to avoid delay in negotiations once the report was completed, agreement should be reached on such matters as a formula for depreciation of fixed assets, allow-ance for "dead" stock, final profit margin on the contract, and margin on the contract, and "notional" salary for the working proprietor. For the financial year 1964-65 an average figure of £1,700 for the last-named item has been agreed between the Department and the

IRISH NEWS THE NORTH

"A Live Association"

NORTH-EAST CHEMISTS' DINNER

REALLY live Associations, such as the one she was addressing, were the answer to many of the difficulties of the present time, said Mrs. A. S. G. Watson (president, Ulster Chemists' Asciation) at a dinner held by the Northeast Ulster Chemists' Association to entertain the president and members of the executive committee of the Ulster Chemists' Association at Portrush on November 25. Mrs. Watson was replying to the toast "The Ulster Chemists" Association." She congratulated the hosts on their Association and the active way in which they dealt with their local problems and wished them continued success. Mr. William Gorman, representing his president, responded to the toast "The Pharmaceutical Society." He thanked the Association for their hospitality, congratulated the members on their splendid organisation and extended to them the best wishes of his Society. Mr. A. W. Kernahan (Northern Ireland General Health Services Board), adding his thanks, referred to the recurrent question "when

will the 2s. charge be removed?" He admitted that he had no information, but pointed out that when the charge was removed it would cost Northern Ireland approximately £1 million. Mr. H. G. Campbell, on behalf of the hosts, made a presentation to Miss A. E. Strachan (secretary, Ulster Chemists' Association), as a "small token of appreciation" to which Miss Strachan replied. A programme of entertainment concluded the function. The chairman (Mr. A. W. McDowell) and secretary (Mr. J. White) welcomed the guests, and expressed pleasure at the large attendance.

Ulster Chemists

MONTHLY MEETING OF EXECUTIVE

AN overwhelming majority of those who had replied to the recent questionnaire on Bank Holidays were in favour of extending the holidays to include St. Patrick's Day, Whit Monday, and August Bank Holiday, said MRS. A. S. G. WATSON (president) at a meeting of the Ulster Chemists' Association executive committee held in Belfast on December 1. The Local Pharmaceutical Committee, she said, would be asked without delay to seek the Northern Ireland General Health Services Board's permission for the alteration of the pharmacists' contract to allow of those holidays, and members would be circulated in due course. MR. J. C. WELLWOOD was elected president for the year. Thanking the committee for honouring him in that way he assured his colleagues that he would try to uphold the high standard set by his predecessor and the presidents who had gone before. Mr. W. H. Boyd, who proposed a vote of thanks to Mrs. A. S. G. Watson, expressed the Committee's appreciation of the work she had done during her year of office. MRS. WATSON suitably replied. MR. J. K. McGregor was elected to succeed Mr. Wellwood as Vice-president.

Other appointments were:—Treasurer, J. F. Rankin (re-elected); Secretaries, Messrs, T. I. O'Rourke and J. Knox; Auditors, Messrs, J. A. McRoberts and R. C. McCullough; Representatives on Joint Council, Messrs, J. C. Wellwood, J. K. McGregor, T. I. O'Rourke and J. Knox; Action Committee, Messrs, T. I. O'Rourke (convenor), J. A. Brown, W. E. Cooper, J. Knox, W. J. Moffett and Mrs. A. S. G. Watson; House Committee, president and vice-president (ex officio) with Miss D. Hall (convenor), Mrs. A. S. G. Watson and Messrs, W. L. McDonnell and J. Knox; Representatives to Chamber of Trade, Mrs. A. S. G. Watson and J. A. Brown; Representative to Ulster Tourist Development Association, W. H. Boyd (re-elected); Representatives to Northern Ireland Chemists' Benevolent Fund Committee, Messrs, J. C. Wellwood and J. K. McGregor.

The following was elected to membership:—W. A. Neill, 4 Drumart Square, Belvoir Park Estate. Belfast, 8, A number of employees whose applications were approved by the Associates' committee at a meeting held on November 9 were elected to associateship. At the start of the meeting a vote of sympathy had been passed to the widow and family of the late A. L. Casey, Lisnaskea, who had recently died suddenly. Mrs. Watson welcomed Messrs. T. S. Purce and J. J. Farrelly on their first attendance at the Committee.

NEWS IN BRIEF

EXTERNAL degrees of the University of London, awarded recently include a Master of Pharmacy degree to Mr. G. M. Smith and a doctorate of philosophy in pharmacology to Mr. B. A. Whittle.

Considerable damage was caused to stock at the pharmacy of Mr. J. G. Parry, 48 Broad Street, Newtown, Montgomeryshire, by flooding on December 13. Water reached a depth of $4\frac{1}{2}$ -5 ft. and a front window was broken. Much stock was saved, however, because the police were able to give a prior warning.

A NEW complete list of approved names for drugs has been published by the British Pharmacopæia Commission. It includes a cross-reference index to proprietary names. Copies may be obtained from the secretary to the Commission, General Medical Council office, 44 Hallam Street, London, W.1, price 4s. each, post free.

AT a ceremony in Hove on November 25 a cheque for £50 was presented to Mr. H. J. Hall (clerk to the East Sussex Executive Council), to mark his retirement after twenty years in that office. The presentation was made by Mr. S. F. George, M.P.S. (chairman, East Sussex Pharmaceutical Committee), on behalf of chemist contractors in the area.

THE Minister of Health received on December 10 a deputation from the British Medical Association to discuss the proposal to abolish prescription charges. The deputation reminded the Minister that the profession had last year passed a resolution opposing the abolition of the charges and referred in particular to the profession's fears that this would increase the burden on family doctors.

Annual consumption of glass containers per head of population has reached 135 in the United States, eighty-eight in the United Kingdom, and seventy-nine in West Germany, said Herr von Bülow at the annual luncheon of the Glass Manufacturers' Federation on December 8 at which he was the chief guest. The retiring president (Mr. L. E. Norton), was reelected President of the Federation at the annual meeting.

Courses and Conferences

A THIRD regional conference on the theme "Marketing—Key to Prosperity" is being held at Trentham Gardens, Trentham, nr. Stoke-on-Trent, on January 28, 1965. Arranged by the British Productivity Council's national joint marketing committee, it will include papers on market research, product policy, gearing sales and production, sales promotion and the function of top management. A fourth conference is being held at the Central Hotel, Glasgow, on February 16, 1965, in conjunction with the Glasgow Productivity Association. Further details available from the Council at Vintry House, Queen Street Place, London, E.C.4.

LOCAL OFFICERS

PHARMACEUTICAL COMMITTEE

Sussex.—New Secretary, W. Clark, Quenneys, Highgate Green, Forest Row, Sussex.

TOPICAL REFLECTIONS

By Xrayser

Informal commentary

The report of the December meeting of the Council of the Pharmaceutical Society (p. 591) shows in some detail the various opinions held in the matter of using the informal commentary, on the style of that published in the Society's journal on December 12 (pp. 592 et seq.) as a means of communication between the Council and its members. The commentary took the form of question and answer, the primary purpose of the interview being to explain the Council's recent statement on sales promotion in pharmacy. A first thought—though it may be a little unkind—is that a prepared statement issued by the Council to its members should not require lengthy elucidation, but should be couched in clear terms that can be readily understood. But when one considers the obscurity of the recent Dangerous Drugs legislation, and the efforts necessary to clarify its intentions, perhaps the Council's statement may be regarded more charitably. The first thing to be borne in mind concerning the informal commentary is that the Council has been impressed by the constant demand from the membership to be given more information. The form of the first such commentary is experimental and no doubt experience will be of value in determining whether the present method is the best one for the purpose. Meanwhile, Mr. Darling is deserving of praise for having elected to bat first on a wicket of unknown texture. Several members of Council took exception to the report of the interview, Mr. Heseltine holding the view that the chairman of a committee should speak for the committee and not for himself personally. But the logical outcome of that attitude must surely be to issue no informal or informed comment at all, and that any communication between the Council and its members should be solely in the form of an official statement from the secretary or from the Council itself. As we have seen, that in turn would call for elucidation.

Communication

In the past, means of communication between the Council and its members has, apart from official report, taken the form of addresses by Council members to branch meetings. And however careful he is to avoid any charge of being disloyal to the Council and its decisions, even the most astute and careful politician would find it extremely difficult to conceal completely his own feelings and his own opinions. All the questions asked of Mr. Darling might have been asked at a branch meeting, and I should take a poor view of any member of Council who, faced with a debatable question, hedged his answer on the grounds that his opinion might be unpopular and might, in fact, do him harm. I hope that future informal opinion will be given with the frankness displayed by Mr. Darling.

The new constitution

In the light of the report of the December meeting of the Council, which has already provided me with material for two paragraphs, I make no apology for returning to the topic of the proposals for reconstituting the Council. It would appear, from the opinions expressed on the subject at the Council table, that no clear understanding exists among members in regard to the purpose of having circulated the proposals to branches. Opinions varied to such an extent in the matter of "where-do-we-go-fromhere?" as to suggest that there might be advantages in having a Council that consists of only twenty-four members and not thirty-one. It must surely appear now that, however well considered the proposals may have been, the method—and its form—of seeking the opinion of members had not received the same careful thought, nor was the timing particularly well chosen. It may seem to Mr. Sparshott, as he stated, that vacillation over the matter had gone on for many months, but the fact is that the proposals did not reach the members until the middle of April, when the branch sessions had ceased. It was only with the resumption of branch activity in September and October that members had an opportunity of considering all that was involved. The situation reflects little credit on those responsible.

SUNDAY TRADING

Departmental Committee's recommendations for pharmacies

DISPENSING chemist should be allowed to sell any goods he stocks for not more than two hours on Sunday. That is a recommendation by the Departmental Committee on the Law on Sunday Observance and included in their recent Report (H.M. Stationery Office, price 6s. 6d.). In order to enforce the arrangements the Committee suggest that any chemist opening for longer than two hours and wishing to take advantage of the two-hour exemption should be required to notify the local authority which two-hour period he had selected for the purpose.

Terms of Reference

The Committee was set up in 1961. It was required to review the law, other than the Licensing Acts, relating to Sunday entertainments, sports, pastimes and trading in England and Wales. Referring to the exemptions in respect of medicines, medical and surgical appliances the Committee state the effect of limiting the sale of medicines and appliances to particular premises and persons is that the comparatively few other types of shops that can sell proprietary medicines on weekdays cannot do so on Sunday. An example is quoted of the tobacconist who cannot sell aspirin on Sunday although he is open for the sale of tobacco and cigar-ettes. The Committee state, "We found no justification for this distinction between weekdays and Sunday and we noted that the Shops Bill 1956 would have brought Sunday into line with weekdays. We recommend that as far as Sunday trading law is concerned, there should be a general exemption for the sale of medicines and medical and surgical appliances." The Committee state their attention was drawn to two other unsatisfactory features of the existing exemptions that are not cured by the foregoing recommendation." They included the anomalies in connection with articles used for both surgical and non-surgical purposes. "It was suggested that a razor blade could be sold as a 'surgical appliance' for cutting corns but not for its primary purpose of shaving." The second was another example of the "mixed" shop problem; a chemist who was open on Sunday for the supply and dispensing of medicines was not allowed to sell such articles as tooth-brushes and tooth-paste and soap or invalid or baby foods. The National Pharmaceutical Union considered that it was not desirable to allow the sale of toilet goods and declared that there was no evidence of any substantial demand for such articles on Sunday. The Company Chemists' Association, however, said there was a considerable public demand and it was difficult and embarrassing for traders to observe the present law. It seemed unreasonable that "during the time that a chemist is open on Sunday to supply or dispense medicines, he should have to refuse to sell other goods in the shop. The problem was to find a formula that would allow chemists to sell a wider range of goods during their existing opening hours without providing an incentive to them to extend their hours of opening, and so increasing Sunday employment. The choice lay between limiting the range of goods they are permitted to sell or restricting the hours of opening.

The Committee rejected an exemption for specific items because experience had shown that such lists gave rise to uncertainties and quickly became out of date. The Committee appreciated their recommendation would allow the "large departmental chemists" to open all their departments for the two-hour period but the Committee thought it unlikely that they would wish to do so. In holiday resorts, the Committee understood it was common for chemists on the sea front or in the main thoroughfare to open all day on the Sundays when additional trading facilities were allowed. Under existing law they were permitted to sell bathing requisites, photographic films and supplies, books, stationery, post-cards, souvenirs and fancy goods. The proposal would allow them to sell any goods for such period of two hours as they chose. "We recognise that it may seem illogical that these chemists can sell a wide range of comparatively unessential articles at any time on Sunday but that toilet goods as such can only be sold for two hours. We could find no practical solution to this situation without permitting virtually unrestricted trading by chemists' shops in many classes of goods that could not be sold in other

In yet another section of the Report reference is made to the general conditions of Sunday employment and certain exemptions in respect of registered pharmacists. The Committee were told that the Hours of Service Schemes
"laid down for pharmacists under the
National Health Service (General Medical and Pharmaceutical Services) Regulations, 1962, sometimes conflicted with the conditions of Sunday employment for pharmacists laid down in the 1950 Act. Under an Hours of Service Scheme a chemist could be required to open his shop for the supply of drugs and appliances for an hour on Sunday, and for

an hour (or half an hour in a district served by one or by two chemists) in the evening after 6 p.m. on other days.
The difficulty arose chiefly in districts served by one pharmacist and in these circumstances the provisions of the 1950 Act could not be observed." Sir Hugh Linstead gave oral evidence on behalf of the Pharmaceutical Society of Great Britain and is reported to have stated that the "hours laid down under the Hours of Service Schemes were generally accepted as part of a pharmacist's professional responsibility and compensation should be by way of enhanced pay or longer holidays rather than by time off during the week." He thought that "conditions of service could safely be left to the professional negotiating machinery and that pharmacists should be excluded from the provisions of the 1950 Act. On the other hand, the Union of Shop, Distributive and Allied Workers considered that the compensatory time off provided for pharmacists, i.e., a 'short' day starting at 10.30 a.m. and finishing at 6 p.m., was inadequate now that normal shop hours were shorter. They said that pharmacists should be subject to the same conditions of Sunday employment as shop workers.

Restrictions on Mobile Shops

The Committee also recommend that so far as Sunday trading was con-cerned mobile shops should be subject to the same restrictions as other shops. Trading from automatic vending machines should not be restricted on Sunday, Local authorities should have power to make an order allowing shops to open on a stated number of Sundays for the sale of any of the following items:—(a) articles required for the purpose of bathing, sun-bathing or fishing; (b) photographic requisites; (c) toys, souvenirs and fancy goods; (d) reproductions of works of art. Shops provided for travellers at designated international airports should also be exempt from Sunday trading restric-

The chairman of the Committee was Lord Crathorne.

ABERDEEN PRIZE-GIVING

Tools for success

THE time when he himself had attended the school of pharmacy, whose entire teaching staff then consisted of one lecturer, was recalled by Mr. A. A. MELDRUM (a past president of the Pharmaceutical Society) at the Robert Gordon's Technical College, Aberdeen, school of pharmacy prizegiving on November 25. Addressing the prizewinners Mr. Meldrum (a member of the governors' chemistry and pharmacy committee), who presented the prizes, said they had received the tools with which to go on to success in their career.

A vote of thanks given to Mr. Meldrum was proposed by Dr. A. E. WEST (director of the College). Prizewinners were as follows:—James Fowler

TOCHER MEDAL (most outstanding Ph.C. student).—Jean G. Elrick. Entrance course. ABERDEEN PHARMACEUTICAL ASSOCIATION PRIZE (best student).—Alison S. W. Stewart. Ph.C. course, part one. WILLIAM PATERSON & SONS (ABERDEEN), LTD., PRIZE (physiology).— Patricia A. Neilson. Ph.C. course, part two. WILLIAM DAVIDSON, LTD., PRIZE (pharmacognosy).—Norma M. Young; EVANS MEDICAL, LTD., PRIZE (best student)—Susan J. Paton. Ph.C. course, part three. Boots Pure Druge, Charmacourte) LTD., PRIZE (pharmaceutics).—Jean G. Elrick; Davidson & Kay, Ltd., Prize (pharmaceutical chemistry).—Jean G. Elrick; UPJOHN, LTD., PRIZE (pharma-cology).—Ruth E. Allan; PFIZER, LTD., PRIZE (best student)—Jean G. Elrick.

IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

DRAWING the Government's attention to the concern many family doctors "of all grades and in all areas" had expressed at the arbitrary removal of National Health Service prescription charges, LORD AUCKLAND in the House of Lords on December 9 asked whether any consultations had taken place with the medical profession in respect of the proposal. LORD TAYLOR (Parliamentary Under-secretary of State) said the Minister of Health would be discussing with the representatives of the medical pro-fession the question of prescription charges. LORD AUCKLAND suggested that many wage earners could well afford to pay the charges and that abuses could easily happen; doctors, who were already overworked, would be further encumbered by the Government's policy. LORD TAYLOR said the Government did not think a prescription charge was the best method of reducing the heavy work-load on doctors. Many doctors, he declared, felt the best way was for the doctor to examine the patient properly and to prescribe with-out the patient having to worry too much about what medicine was to cost. BARONESS HORSBRUGH asked if the cost to the country would be about £25 millions a year. LORD TAYLOR doubted that figure, but could not predict what the cost would be. One effect of the charges had been, he said, that doctors had overprescribed in order to give the patient "as much medicine as they could for the 2s."

Hospitals in Scotland

Replying to questions about the need for modernised hospital accommodation in Scotland, Mrs. Judith Hart (Under-Secretary of State, Scotland) said on December 9 that the Government would be reviewing the hospital programme as a matter of urgency. Mr. J. A. Stodart asked whether a decision had yet been reached on the site in Edinburgh for the new Royal Hospital for Sick Children and was told, in a written reply on December 9, "Not yet."

Welfare Foods

The Minister of Health was initiating studies, said the Under-Secretary of State (MRS. HART) in reply to Mr. W. HANNAN on December 9, into the prevalence of rickets and the diets and environment of young children in Glasgow and other areas. She did not think that the abolition of payment would in itself ensure that welfare foods were taken by larger families in poorer housing areas.

Unsolicited Merchandise

MR. WILLIAM CLARK asked the President of the Board of Trade to take steps to prevent firms and organisations sending merchandise through the post to individuals who had not requested it. MR. DOUGLAS JAY (President of the Board of Trade), in a written answer on December 10, said: "This is certainly an irritating and undesirable practice, but since I am advised that the recipient is under no obligation, either to pay

for or to return the goods, but simply to keep them until the sender collects them, no Government intervention seems necessary."

Resale Price Maintenance

SIR BARNETT JANNER wanted to know how many companies had claimed registration of their resale price maintenance practices under the Resale Prices Act, 1964. Mr. Jay, in a written answer on December 10, said he understood the Registrar had received about 700 applications from firms and trade associations.

Phenothiazine Derivatives

MR. L. A. PAVITT asked the Minister of Health if he would prohibit the use of phenothiazine derivatives in the treatment of schizophrenic illnesses under the National Health Service. MR. K. ROBINSON (Minister of Health), in a written reply on December 14, stated: "No. The use of this drug is a matter for clinical decision."

Drugs Inquiry

MR. Morris Edelman asked the Minister of Health what communication he had received from the Trades Union Congress in connection with its proposal that a committee of investigation should be set up to inquire into the high cost of drugs, and what had been his reply. Mr. Robinson, in a written answer, said: "I have received, and am at present considering, a letter from the Trades Union Congress suggesting an inquiry into the pharmaceutical industry."

Accidental Hypothermia

MR. K. ROBINSON informed MR. G. LLOYD, in a written answer on December 14, that he had drawn the attention of all local health and welfare authorities and Local Medical Committees to the memorandum prepared at the request of the Ministry for the British Medical Association and published in the *British Medical Journal* on November 14 dealing with the subject of accidental hypothermia.

Postal Service

An increasing number of questions relating to delays in the postal service have been addressed to Mr. Anthony Wedgwood Benn (Postmaster-General).

Hypomagnesæmia

In a written reply to MR. W. H. K. BAKER on December 9 the Secretary of State for Scotland (MR. WILLIAM ROSS) refused to make staggers (otherwise known as hypomagnesæmia) in cattle and sheep a notifiable disease in Scotland. It would be an unnecessary imposition, he said, on the farmers concerned.

Experiments on Animals

MR. R. J. POUNDER was told by MR. GEORGE THOMAS (Joint Under-Secretary of State, Home Department) that the Home Secretary proposed to await the report of the Departmental Committee on Experiments on Animals before considering the need for increasing the number of inspectors.

LEGAL REPORTS

Forged Prescription

AT Southport, Lancs, magistrates' court, on December 9, Kathleen Cann, 18 Walmer Road, Birkdale, pleaded guilty to obtaining tablets by means of a forged prescription on two occasions and unlawfully possessing tablets. The prosecution alleged that Mrs. Cann sent her daughter to the doctor's surgery with a note asking for an inhaler and Dexedrine tablets. The doctor deliberately omitted those from the prescription but the same evening Mrs. Cann sent her daughter to a pharmacy where it was noticed that the words "tabs. dexadrine 50" had been added. Mrs. Cann said she was depressed because of domestic difficulties. She was living apart from her husband, and had three children. She was given a conditional discharge for twelve months on the understanding that she underwent medical treatment.

COMPANY NEWS

Previous year's figures in parentheses

ASPRO-NICHOLAS, LTD.—Interim payment is being raised from 7 per cent. to $7\frac{1}{2}$ per cent.

GLAXO LABORATORIES, LTD.—Messrs. F. C. D. Back and W. B. Emery have been appointed to the board with effect from January 1, 1965. Mr. E. Preston is to retire from the board on December 31.

BECKTON, DICKINSON & CO., Rutherford, New Jersey, U.S.A.—The company, which manufactures medical, surgical and laboratory supplies has bought for £268,000 the Huntingdon Research Centre, Huntingdon, where some 170 people are employed in the work of investigating, evaluating and testing new drugs. The staff is being increased to about 300 and will continue under its present British management. A new research centre is also proposed nearby at Alconbury.

LEWIS & BURROWS, LTD. bid of 70s. cash for each of the company's 74,872 Ordinary shares has been made by Gula Investments, Ltd. No offer is being made for the £30,000 6 per cent. Preference stock. Lewis & Burrows operate twenty pharmacies in the London area and it is the intention of Messrs. Gula (an office development company) to develop and expand the business of the pharmacies under their existing name and management. Subject to unforeseen circumstances, trading profits, before tax, of L. & B. for the year to March 31, 1965, will be more than £30,000 (against £2,816 for the previous year). The chairman (Mr. S. Zilkha) has undertaken to procure acceptance in respect of holdings in the beneficial ownership of his family and himself amounting to more than 95 per cent. of the Ordinary shares.

JEYES GROUP, LTD.—Group net sales for the forty weeks ended October 3, amounted to £5,574,000 (£3,445,000 in the corresponding period of 1963 which did not include the sales of Three Hands, Ltd., Serta Ltd., and Wimsol, Ltd.). Operating profit before taxation and minority shareholders' interests is £237,000 (£275,000 approximately). Since the last report a factory has been sold,

the profit more than offsetting the expenses of integration. Profit margins in the third quarter were adversely affected by unusually severe price cutting in the toilet-tissue market. Profits were also adversely affected by production difficulties which have been overcome.

BUSINESS CHANGES

WRIGHT LAYMAN & UMNEY, LTD., have removed to 43 Clapham Road, London, S.W.9 (telephone: Reliance 9271).

SPA BRUSHES, LTD., Chesham, Bueks, are acquiring the Hughes domestic and toilet brush business of Johnson's Ethical Plastics, Ltd., Slough, Bucks, from February 1, 1965. The transfer includes the assignment of the Hughes name to Spa Brushes, Ltd., who will continue to promote its use.

JAMES SLATER & CO. (ENGINEERS), LTD., are transferring their steriliser business to Allen & Hanburys (Surgical Engineering), Ltd., on January 1, 1965. Messrs. Allen & Hanburys are thenceforth accepting full responsibility for servicing steriliser installations now under warranty, both at home and overseas, and for carrying out orders on hand but not completed on the day of transfer.

Appointments

ROBERTS WINDSOR. LTD., 63 Grosvenor Street, London, W.1, have appointed Mr. K. W. Lofts their marketing manager.

PERSONALITIES

MR. ALAN ALDINGTON, M.P.S., who is a professional representative on

the London Executive Coun-cil, of which he is chairman, has been elecchairman ted new of the London inner Executive Council for the period up to March 31, 1966. Mr. Aldington was appointed a member of the London Ex-Counecutive



cil in March 1951 as a representative of the London Pharmaceutical Committee and has served in that capacity ever since. He has been chairman of the London Executive Council for the past two years.

MR. S. ACKERS, M.P.S., who is the proprietor of two pharmacies at Swanscombe, Kent, was invested with the Order of St. John (S.B.) at the Priory Church of St. John, Clerkenwell, recently by the Lord Prior of the Order (Lord Wakehurst). Mr. Ackers founded a branch of the St. John Ambulance Brigade in Swanscombe in 1938 and was appointed its first superintendent, an office he still actively holds. Mr. Ackers is a past chairman of the Dartford Branch of the Pharmaceutical Society and of the Dartford Branch of the National Pharmaceutical Union, of which he is also the present vice-chair-

man. During October he and his wife visited Canada to attend the wedding of their son, Stanley Ackers, jun.,



B.Pharm., M.P.S., a former treasurer of the British Pharmaceutical Students Association. Together they toured the Canadian Rockies, returning to England via New York.

MARRIAGES

CARR—THOMAS. — At St. Margaret's Church, Topsham, Exeter, Devon, recently, Robert Wilson Carr, F.P.S., 96 Bonhay Road, Exeter, Devon, to Mrs. B. E. Thomas.

DEATHS

BOWLER.—On November 29, Mr. Eric Bowler, M.P.S., 38 St. Mary's Avenue, Humberstone, Leicester. Mr. Bowler qualified in 1932.

BOYD.—On December 6. Mr. Gerald Victory Aubrey Boyd, The Whitehouse, Ballybraek, co. Dublin. Mr. Boyd qualified as a registered druggist in 1929. For many years he was a director of Boileau & Boyd, Ltd., Bride Street, Dublin, and was later appointed joint managing director. He was brother of Mr. Donald W. P. Boyd, R.D., M.A., director of post-graduate Education Committee and organising secretary of Irish Pharmacy Week. He was unmarried and is survived by another brother, Dr. Stuart Boyd and a sister, Mrs. Edward C. Bewley. A colleague writes:—He will be sadly missed by the scnior memberes of the staff of Boileau & Boyd, Ltd., and particularly by the principals of the British and overscas companies supplying the pharmaceutical industry.

CHAPPELL.—On December 3, Mr. Harry Clifford Chappell, M.P.S., Helenscot, Eridge Road, Crowborough, Sussex. Mr. Chappell, a Derbyshire man, qualified in 1920 and went to Crowborough in 1931 as assistant to Mr. Wilson, finally buying the business at Croft Road in 1937. Subsequently he acquired two other pharmacies in Crowborough and also ran a manufacturing and wholesale veterinary business. He was chairman of the Tunbridge Wells and District Branch of the Pharmaceutical Society in 1950–51 and 1953–54 and the chairman of the Federation of South-eastern Pharmacists 1958–59. Mr. Chappell

was an active member of the East Sussex Executive Council and was secretary of the local Pharmaceutical Services Committee. Outside pharmacy he had many interests, being a founder member and past president of the Rotary Club of Crowborough, a past president of the Crowborough and District Chamber of Trade, a Past Master of the Loxfield Lodge of Freemasons and a member of the British Legion. He was also an accomplished chorister. He is survived by his widow and two sons, one of whom, Mr. C. Peter Chappell, F.P.S., is in business at Crowborough. At the funeral service on December 7 at the Kent and Sussex Crematorium, Tunbridge Wells, many representatives of the pharmaceutical profession, Rotary and Freemasonry, were among the large congregation.

CONNELLY.—On November 30, Mr. Matthew George Connelly, 25 Dunlambert Park, Belfast, Northern Ireland, a director of Davidson & Hardy, Ltd., Bedford Street, Belfast, and Davidson & Hardy Laboratory Supplies, Ltd., Antrim Road, Belfast, aged fortyeight.

DILLON.—On November 24, after an accident at Booterstown, co. Dublin, Eire, Dr. John Dcsmond Dillon, M.P.S.I., 6 Woodbine Estate, Stillorgan, Dublin. Dr. Dillon registered with the Pharmaceutical Society of Ireland in 1960 and acquired the pharmacy of Mr. R J. Semple when the latter accepted an appointment with Leo (Ireland), Ltd. Dr. Dillon was a well known athlete, having played hurling with Offaly, Dublin and Clare. He recently competed in the world handball championship in New York.

ELLIOTT.—On December 2, Mr. Harry Adams Elliott, Carmarthen Avenue, Cosham, Portsmouth, Hants. Mr. Elliott, who qualified as a chemist and druggist in 1906, was formerly in business as a chemist in London Road, North End, Portsmouth, for over fifty years until his retirement in 1956.

HARRIS. — Recently, Dr. John E. Harris, M.P.S.I., Claremorris, co. Mayo, Eire. Dr. Harris registered as a pharmacist in 1928.

ORFORD.—On November 27, Mr. Reginald William Orford, M.P.S., 25a Clarendon Square, Learnington Spa, Warwicks. Mr. Orford qualified in 1922. A native of Stourbridge, he was for twenty-five years a manager for Hedges (Chemists), Ltd., Birmingham.

PROUD.—Suddenly on December 11. Mr. Vivian Marsaw Proud, M.P.S., Lansdowne Crescent, Stanwix, Carlisle. Mr. Proud qualified in 1927 and he went to Carlisle from Southport over thirty years ago to found a business with his brother-in-law, Mr. P. T. Haley, M.P.S.

SHELLEY.—On November 24, Mr. Philip Bernard Shelley, M.P.S.. Norrells, Feering, Colchester, Essex. Mr. Shelley qualified in 1922.

SMITH.—On December 1, Mr. Hedley Crossley Smith, Stanmore Rodborough Hill, Stroud, Glos, aged ninety-four. Mr. Smith qualified as a chemist and druggist in 1892, and joined his father's business of Smith & Co., High Street, Stroud, retiring in 1948.

TRADE NOTES

Low-reading Thermometers. — The sub-normal "thermometers supplied "sub-normal by G. H. Zeal, Ltd., Lombard Road, Morden Road, Merton, London, S.W.19, have a range of 75–105° F. and not as previously stated.

Pairs, Not Singles .- Prices for the military hairbrushes of G. B. Kent & Sons, Ltd., 24 Old Bond Street, London, W.1, as given in the C. & D. Quarterly Price List, are for pairs of brushes, not for individual hairbrushes.

Not Controlled. - Gerhardt-Penick Ltd., Thornton Laboratories, Purley Way, Croydon, Surrey, point out that their product Rinoxin is no longer subject to poisons restrictions following the exemption in respect of sulphaquinoxaline when used as a rodenticide.

Change of Source.—Wright Layman & Umney, Ltd., 43 Clapham Road, London, S.W.9, have acquired the goodwill and trade marks of Glymiel jelly. Orders may be placed either direct or through any wholesaler. New prices

Appointed Distributors. — Plough Inc. (U.K.) have appointed Chemist Brokers, a branch of Food Brokers, Ltd., to handle the distribution, from January 1, 1965, of Musterole medicated rub (regular and mild); Mistol nasal drops and spray and Nujol laxative. All are available only through pharma-

At Manufacturing Chemist Exhibition.—Part of the stand of Chas. Zimmermann & Co., Ltd., Walmgate Road, Perivale, Middlesex, at the Manufacturing Chemist and Aerosol Exhibition held at Olympia recently (see C. & D., December 12, p. 582), was devoted to flavouring essences, essential oils and perfumery compounds for aerosols, etc., to demonstrate the company's activities in those spheres. Also prominently displayed was a selection of pharmaceutical and fine chemicals made by the German company, Farbwerke Hoechst, A.G., whom Messrs. Zimmermann represent in the United Kingdom.

Chauges of Pack. — Sanitas Group Sales, Ltd., Sanitas House, Clapham Road, London, S.W.9, have "rationalised" a number of packs of their products. The 50-gm. tube of Vasogen silicone has been discontinued in favour of a 40-gm. size (20-gm. tube unchanged). U.R.A. has been renamed Pylura and is being supplied in 20-gm. and 40-gm, tubes instead of the former 1-oz. tube. The new product Zoleas with silicone, introduced at the Nursing Exhibition (see C. & D., November 14, p. 496), a bland, effective dressing for dry eczema and related dermatological conditions, is also being supplied in 20-gm. and 40-gm. tubes. The Oppenheimer ointment range has been standardised in 20-gm. and 40-gm. tubes, and the new packs are being supplied in redesigned cartons and ½-doz, counter-display packs. The standard size of Roboleine, in new 16-oz. pack, becomes available shortly.

Supplies After Warehouse Fire. — Part of the premises of Winthrop Laboratories, Newcastle-on-Tyne, the manufacturing associate of the Bayer Pro-

ducts Company, was destroyed by fire on the night of December 10. The fire, whose cause is not known, is believed to have started in the section containing unprocessed raw materials, which was completely destroyed, as were some production areas and a substantial part of the pharmaceutical development laboratories. About three-quarters of the factory, it is announced, including the chemicals manufacturing block, quality control laboratories, part of the research facilities and production areas for tablets, ampoules, and liquids, was undamaged, and will soon be fully operational. Considerable stocks of manufactured and packed drugs were unaffected by the fire. Emergency accommodation was acquired in the Newcastle area and personnel moved in on

Tuesday morning. Temporary shortages will be met from alternative sources.
Mr. L. M. Spalton (chairman of Sterling-Winthrop Group, Ltd.), has said that the company is confident of being able to maintain supplies. A picture of the gutted building appears on p. 614.

Bonus Offers

Cussons Sons & Co., Ltd., Kersal Vale, Manchester, 7, 5 per cent. discount on all sizes of Imperial Leather toilet soap ordered before January 29, 1965.

PLOUGH, INC. (U.K.) (distributors: Chemist Brokers, a branch of Food Brokers, Ltd., Crown House, Morden, Surrey). Musterole. 3s. case discount on purchase through wholesaler, January 1 to February 13, 1965.

CHRISTMAS HOLIDAY CLOSINGS

MANUFACTURERS' Christmas holiday closing times show greater variations this year than in years in which Boxing Day falls on a normal working day. Closings are classified below (variations or special points indicated in parentheses):-

From closing Tuesday, December 22, until normal opening time on Monday. December 28.

CUXSON, GERRARD & Co., LTD., Oldbury, Birmingham.

From midday Wednesday, December 23. until normal opening time on Monday, December 28.

GLAXO LABORATORIES, LTD., Greenford, Middlesex, (Skeleton staff on duty at Greenford warehouse to deal with emergencies on December 23 until 4.30 p.m. on December 24 until noon. Dukinfield warehouse open all day December 23 and until 1 p.m. on December 24 for halfday (8.30 a.m. until 1 p.m.) on December 28, reopening fully on Tuesday, December 29. Bargeddic warchouse open on December 23 and 24, with skeleton staff on duty 8,30 a.m. to noon on December 26; closed January 1 and 2.)

JOHN BELL, HILLS & LUCAS, LTD., Worsley Bridge Road, London, S.E.26 (automatic recording of telephoned orders).

A. H. ROBINS Co., LTD., Foundry Lane, Horsham Sussex.

From normal closing time on Wednesday, December 23 until normal opening time on Monday, December 28.

BAYER PRODUCTS Co., Winthrop House, Surbiton, Surrey (automatic recording of telephoned

*Crookes LABORATORIES, LTD., Park Royal, London, N.W.10 (automatic recording of telephoned orders).

HORLICKS, LTD., Slough, Bucks.

Organon Laboratories, Ltd., Crown House, London Road, Morden, Surrey (emergency ser-

vice only on December 28).

*PAINES & BYRNE, LTD., Pabyrn Laboratories Perivale, Greenford, Middlesex (skeleton staff on duty till noon on December 24).
*Pharmax, Ltd., Thames Road, Crayford, Dart-

ford, Kent (skeleton staff on duty till 1 p.m. on December 24).

From midday Thursday, December 24, until normal opening time on Tuesday, December 29.

PHARMACEUTICAL Co., LTD., Roundthorn Estate, Wythenshawc, Manchester, 23 (also closed January 1).

*MAY & BAKER, LTD., Dagenham, Essex.

*MERCK SHARP & DOHME, LTD., Hoddesdon, Herts.

*A. WANDER, LTD., 42 Upper Grosvenor Street. London, W.1.

From 10 a.m., December 24, until normal opening time on Tuesday, December 29.

*Pharmaceutical Specialities (May & Baker, L1D.), order department, Dagenham, Essex. (Scottish distribution depôt at Cumbernauld closed from 12 noon, December 24.)

From closing time on Thursday afternoon, December 24, until opening time on Monday, December 28.

BUTIER & CRISPE, LTD., 80 Clerkenwell Road, London, E.C.1,

*IMPERIAL CHEMICAL INDUSTRIES, LTD., PHAR-MACEUTICALS DIVISION, Alderley Park, Earlsfield, London, and Birmingham (Alderley Park closed also on January 1, 1965. Grangemouth open on December 25 but closed on January 1 and 4, 1965).

UNICHEM, LTD., Crown House, Morden, Surrey.

From Thursday afternoon, December 24, until opening time on Tuesday, December 29.

*Beecham Research Laboratories, Ltd., Great West Road, Brentford, Middlesex.

PRODUCTS, LTD., Speke, Liverpool, 24, and Wimbledon, London.

H. B. DORLING, LTD., Selinas Lane, Dagenham, Essex (also open till 12.30 p.m., Monday, December 28).

ELANCO PRODUCTS, LTD., Broadway House, The Broadway, Wimbledon, London, S.W.19. *FBA PHARMACFUTICALS, LTD., Burrell Road,

Haywards Heath, Sussex.

MACARTHYS. LTD., Romford, Southend-on-Sea,
Essex, Lee, London, S.E.12, Wembley, Middlesex, and Camberwell, London, S.E. (also open until 12.30 p.m. on Monday, December 28.) Manchester depôt closed on December 25 and 26 and on January 1, 1965. Glasgow depôt closed December 25 and January 1 and 2. 1965.

*PARKE, DAVIS & Co., Staines Road, Hounslow, Middlesex, (Carfin office will close on December 25 and for the Scottish New Year holiday from normal closing time on December 30 until opening time on January 5, 1965.

From 1 p.m. Thursday, December 24, until normal opening time on Monday, December 28.

AYRION, SAUNDERS & Co., LTD., 34 Hanover Street, Liverpool, 1. (Also closed for stocktaking on December 31 and on January 1, 1965).

Barclay & Sons, Ltd., 37 Devonshire Place, Brighton (urgent "ethicals" orders up to 3 p.m.).

*Urgent supplies from John Bell & Cravden, 50 Wigmorc Street, London, W.1.

NEW PRODUCTS AND PACKS

PHARMAGEUTICAL SPECIALITIES

Now Freely Available.—Pharmacia (Great Britain), Ltd., Sinclair House, The Avenue, West Ealing, London, W.13, announce that their speciality Pimafucin aerosol suspension is now freely available. The suspension is intended for use in the treatment of pulmonary aspergillosis, and is available in a 20-c.c. vial containing $2\frac{1}{2}$ per cent. pimaricin in a water suspension.

Eye Drops.—Smith Miller & Patch, Ltd., 86 Clerkenwell Road, London, E.C.1, have introduced two preparations for use in the treatment of eye conditions. Vasosulf contains 15 per cent. w/v of sodium sulphacetamide in an isotonic solution. It is suggested for the treatment of acute and chronic conjunctivitis, blepharitis, keratitis, corneal ulcers and styes. It may also be used prophylactically following the removal of foreign bodies from or abrasive injuries to the eye. Vasopred contains 0.25 per cent. w/v of prednisolone acetate and 0.125 per cent. w/v of prenylephrine hydrochloride in a buffered isotonic solution. It is said to be useful for the alleviation and management of inflammatory and allergic eve disorders that are not caused by infections. Vasopred may be used in the treatment of allergic conjunctivitis, blepharitis, iritis, etc. It is contraindicated in viral diseases of the cornea and conjunctival and fungal diseases of the eye. Both preparations are issued in 5-mil Unidrop plastic vials.

OVER-THE-COUNTER MEDICINALS

Now Nationally Available. - After test marketings in various parts of the country, British Cod Liver Oils (Hull & Grimsby), Ltd., Hull, Yorks, are making their new multivitamin preparation, Seven Seas syrup, nationally available. The product, which is suitable for both children and adults, contains concentrated orange juice and cod-liver oil. The nutritional value of the oil is enhanced by the presence of vitamins A, D and E, B₆ and C. The product is claimed to have "an orange juice" taste. Seven Seas syrup is recommended by the manufacturers as a natural tonic preparation that improves appetite, helps to build resistance against coughs and colds and promotes the health of the skin and hair. Pack is a 6-oz. bottle.

COSMETICS AND TOILETRIES

"Candle-light" Cosmetic Colours.— New "Candle light" colours introduced by Elizabeth Arden, Ltd., 25 Old Bond Street, London, W.1, are described as four bewitching shades designed to bring the flattery of candle light to every skin. The shades are "Candle Light," "a natural pale glow, shimmered with silver"; "Natural Light," "a skin tone shade with the merest blush of pink"; "Peach Light," "a pale peach shade, tinged with orange, slightly iridescent"; and "Golden Light," "a golden beige, shimmered with highlights."

Vitamin F Bubble Bath. — Ravika, Ltd., 2A Tottenhall Road, Palmers Green, London, N.13, have introduced in a distinctive pack Black Forest bub-



WAISTED CONTAINERS: At left the glass bottle of Seven Seas syrup; at right the plastic bottle adopted for Black Forest bubble bath.

ble bath with vitamin F. The bubble bath, available in lemon, lavender and pine-needle perfumes, is issued in a 1-lb. plastic bottle sufficient for 20-25 baths. The bottle has been designed so that it is convenient to hold even in damp atmospheres.

A Moisturiser in the Range.—Goya, Ltd., 161 New Bond Street, London, W.1, have introduced into their Goya Golden Girl make-up range a moisturising lotion "Magic Moisture." The product contains Aqualon, which is described as "the exclusive ingredient that actually retards the loss of mois-

ture from the skin, thus maintaining the skin's *natural* moisture content at a much higher level."

SHINDRIES

Pack Designs Modernised. — Robinson & Sons, Ltd., Wheat Bridge Mills, Chesterfield, Derbys, are in process of introducing a new pack for their Mene sanitary towels. The brand has been so popular that, in bringing the pack design up-to-date, they had to ensure that brand recognition did not suffer. Against current practice of packing in printed cartons, or paper bags, mostly with an all-over design, the makers of Mene have retained a plain white paper wrapper with a simple printed band running lengthwise around the pack. Colour of the band varies with size (size 0, pink; size 1, blue; size 2, yellow; size 3, lilac; size 4, grey). Each band has a deep blue leaf design running along the longitudinal edges and the name-style Mene in the same deep blue, on an oval white disc.

FOODS

New Food Varieties. — Three new varieties have been added to the range of Heinz baby foods in twist-top jars, bringing the number of varieties available in jars up to fifteen. The new varieties include strained bone and vegetable broth $4\frac{1}{2}$ oz, which has been available for some time in cans; strained chicken noodle broth, $4\frac{1}{2}$ oz., and junior beef and egg noodles, $7\frac{1}{2}$ oz., both of which are completely new to the range. Makers are H. J. Heinz Co., Ltd., Harlesden, London, N.W.10.

Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

Property Qualification

SIR,—Many of your readers will doubtless have seen the statement in the Sunday Times Business News section that the Lewis & Burrows group has been taken over by a property developer. If present Council reconstitution proposals prevail, then the take-over of a few more smaller groups or even a very large group will surely entitle the property-developing gentlemen to a seat on the Council. I cannot see how it could be refused, particularly if the request is accompanied by a gift to Birdsgrove House of, say, a potted geranium plant.

SOTONIENSIS

Northern Ireland Fees Increase

SIR,—As one who was never convinced of the "value" of the licence fee at £3 3s. per annum, I feel it is time chemists called a halt to the process of being the nation's perpetual "Santa Claus." I know of no body of workers so ill-paid, so over-worked, so over-taxed and so little esteemed by either the public or the Government. The sooner we cease being "PDMs" (public door mats) in the Health Service and "SSSs" (silently suffering stooges) who numbly await extinction by pressure from overladen, largely unnecessary

ministries, plus intensive competition from all and sundry, and begin to assert ourselves by unitedly saying "No" to this latest imposition (and unitedly facing the problem of competition) the better. In my opinion the Pharmaceutical Society should, by objecting to any increase in licence fees, etc., give a lead to those who appointed them to act on members' behalf. I strongly resent being charged a fee for giving a most inadequately paid-for service. Who else but chemists would do so?

E. A. Poots,

Larne, co. Antrim, N.I.

At Square One

SIR,—It surprised me at the time, and continues to do so, that the N.P.U. Executive did not, when confronted by the 1961 oncost cuts, summon all possible aid, including the help the Society could have given. That it continues to refuse this offer of help, for the reasons set out by "E. C. Tenner" (C. & D., December 5, p. 14), reflects credit upon nobody. Whether the help of the Society would have resulted in better terms being obtained, we do not know; all we do know is that the offer was not accepted; and here we are right back at square one, with oncost at 14 per cent.

J. T. MARRIOTT, Hemel Hempstead

Beecham Food and Drink Division announce an increase in the price of Lucozade large effective from 14th December, 1964

The recommended retail selling price per bottle to be increased from $2^{\prime}7d. + 3d.$ bottle deposit to $2^{\prime}8d. + 3d.$ bottle deposit.

Trade terms per one dozen pack:-

Standard 6 case 120 case trade price rate rate Price $23/2\frac{1}{2}$ d. 21/8d. $20/10\frac{1}{2}$ d. Purchase tax 3/6d. 3/4d. 3/4d.

Retail percentage margins unchanged.

LUCOZACE THE SPARKLING GLUCOSE DRINK



TABLETS

We regret that, owing to the 15% surcharge on import duty, the wholesale and retail prices of Roter tablets were increased as from Monday, 14th December. The amended prices are:

	Wholesale per dozen	P.T. per dozen	Retail per tin
Trial size tins (40)	56/-	14/-	7/9
Standard ,, ,, (120)	162/-	40/6	21/9
Dispensing pack (360)	468/-	Free of Pur	chase Tay
. ,, ,, (720)	882/-	Free Or Fur	chase rax



F.A.I.R. LABORATORIES LTD. · TWICKENHAM · MIDDLESEX

Experiences of a Master Tablet-maker

MR. STEPHENSON GIVES HIS HARRISON MEMORIAL LECTURE

THE patient who is prescribed tablets on an EC10 form that are dispensed in retail pharmacies is generally getting better tablets than those supplied to patients in hospitals. That opinion was expressed by Mr. D. STEPHENSON when he received the Harrison Medal and delivered the Harrison Memorial Lecture at a meeting of the Pharmaceutical Society on December 9. Mr. Stephenson provided details of his recent experiences in hospitals and retail pharmacies. He said that of about 1,200 prescriptions which he had dispensed while acting as locum tenens during recent weeks, no fewer than 40 per cent, of all the items had been prescriptions for tablets. When Lieutenant-Colonel Harrison died the British Pharmacopæia contained only one tablet monograph, that for tablets of glyceryl trinitrate. As there were no legal standards the quality of many other tablets that were marketed was very low. He recalled that on one occasion his wife had been prescribed calomel tablets, some of which, after being left in a glass of water overnight, were "still looking as waterproof as the best Swiss watches." He mentioned an attempted suicide, from the patient's stomach a number of phenobarbitone tablets were recovered almost whole. The poor quality of the tablets probably saved the patient's life. The introduction into the Seventh Addendum to the British Pharmacopæia in 1945, of standards for tablets was followed by an improvement in the quality of unbranded tablets particularly with respect to disintegration, but the rotating test tube method had two drawbacks. It was not possible to observe the progress of disintegration and the method did not posses a very definite end-point. The suggestion made by Henry Prance in Stephenson's laboratory, and by others independently, to use a piece of standard wire gauze through which all the fragments of the disintegrating tab-let must pass before it could be said to have disintegrated was now the basis of most of the disintegration tests.

Habits of a Lifetime

Mr. Stephenson said that the habits of a lifetime die hard and since his retirement from industry in May 1963 he had continued to drop tablets into water when opportunity offered during the periods spent in retail and hospital pharmacies. The results of the test to date are shown in the accompanying table. The first meprobamate tablet that failed to comply with pharmacopæial tests made him think it would be interesting to note whether the tablets were unbranded or branded. He acknowledged that it was a small sample of the 300 or more kinds of tablets to be found in the average dispensary but in nearly every case where branded tablets had been included they disintegrated appreciably better than their unbranded counterparts. Branded tablets were generally being dispensed in the retail pharmacies whereas hospital

pharmacy was often compelled to take products that had been offered on the lowest tender. Mr. Stephenson added "the cheapest may not be good enough." The table also illustrated the effect of the introduction of the guided disc in the repeat test for disintegra-



HARRISON MEDALLIST 1964: The president of the Pharmaceutical Society of Great Britain (Mr. C. W. Maplethorpe) and Mr. Douglas Stephenson, B.Sc., F.P.S., with Memorial medal for 1964. In the background is the portrait bust of Colonel Harrison in whose honour the medal award was initiated.

tion. When tablets did not break up but dissolved or were slowly eroded at the surface, the use of a disc had little effect on disintegration times. When tablets broke up as in the case of the best of the meprobamates—then the use of the disc might appreciably shorten the time of disintegration and

occasionally as in the case of the sulphaguanidine an unsatisfactory tablet might be "literally pushed through the test." He had mixed feelings about the use of a disc in the official test. He thought it was a mistake to complicate a simple test by attempts to imitate mechanically the widely varied movements of the human digestive system. It was difficult to attempt to correlate in vitro and in vivo performance and fix time limits for the disintegration test. He was, however, sure that a tablet which disintegrated in 15 minutes or less without the aid of a disc was a very much better tablet than one that required its assistance. He suggested that the disc should not be allowed in official tests. When dealing with the difficulties of preparing disintegrating products from materials having a large proportion of water of crystallisation, Mr. Stephenson said that he had not seen any references in tablet literature to the ways in which hydration and particularly differential hydration might be used to promote rapid disintegration, and it seemed to him there was need for investigations into the reasons for, and the mechanisms of, the process.

Mr. Stephenson said he was sorry when medicinal preparations began to rival the wares of the confectioner in the variety and brilliance of their colours and the attractiveness of their flavours. He added "I felt with Professor Berry that the developments tended to lower the dignity of our professional activities and made medicines more dangerous particularly to children. There were pharmaceutical

DISINTEGRATION TIMES OF COMMERCIAL TABLETS—1964

OPEN NAME	Branded	Un- branded	DISINTEGRATIO	cum	Comments
			disc	disc	
Bendrofluazide 5 mgm.		*	200		
Chlorothiazide 0.5 gm.		*	430	330	
	*		2—15	0—25	
Cyclobarbitone 200 mgm.		*	853	642	
7		*	110	100	
Ferrous fumarate 200 mgm.	*		0-35		
Ferrous Gluconate s/c		*	32—00		
300 mgm.		*	1100		
-	*		1500	1050	
Ferrous sulphate s/c					
300 mgm.		*	5735	3730	
Ferrous sulph. co. s/c		*	7500		Failed first test
	*		5900	2730	
Meprobamate 400 mgm.		*	29 30		Not B.P.
	*		16—00		Not B.P.
	*		10—30	9—45	
	*		645	350	
Nitrofurantoin 100 mgm.		*	400		
	*		3—00		
Quinidine sulphate					
300 mgm,		*	13—00		Ex hospital
		*	1—15	1—15	Ex retail
Quinine bisulphate s/c					
300 mgm.		*	4200	4200	
Sulphadiazine 0.5 gm.	*		3—00		
Sulphadimidine 0.5 gm.	*		300		
Sulphaguanidine 0.5 gm.		*	3000		Failed first test
	*		420	2-30	
Sulphathiazole 0.5 gm.		*	200		
Tolazoline 25 mgm.		*	800		

precedents and justification for colouring and flavouring comparatively harmless medicaments to enable children to take an adequate dose of, say, an anthelmintic such as piperazine. The first artificial colouring of tablets was used as a warning of the extremely poisonous nature of the solution tablets of corrosive sublimate and mercuric potassium iodide. Nowadays their colourings no longer have any protective value when the products or their solutions were unlabelled and away from their customary places. In one dispensary of 300 varieties of frequently dispensed tablets, 120, or 40 per cent., were obviously artificially coloured."

Enteric Coatings

Many new forms of protective tablet coatings had been suggested during the last ten to fifteen years. "An extensive literature and a large number of patents exist referring to the use of such materials as sodium carboxy methyl cellulose, hydroxyethyl cellulose, polyethyleneglycol, polyvinylpyrrolidone, acetylated monoglyceride, amino cellulose derivatives, acrylic resins and methylacrylic resins or combinations of these and many others, as tablet coatings. Most of the published new work on this subject comes from the U.S.A., Japan and Germany." Mr. Stephenson pointed out that it was essential for chronic toxicity tests to be carried out on such materials if they were to be widely used for coatings. Early enteric coatings were prepared from salol, stearic acid, keratin and certain drying oils, but more recently coatings based on shellac had been suggested although they had been difficult to apply successfully on a "large scale." The most effective commercially available enteric coating material was probably cellulose acetate phthalate, although recently he had been told that enteric coatings of cellulose acetate phthalate plasticised with diethyl phthalate would comply with a test designed to ensure enteric coatings would resist the action of acid pepsin solution for at least five hours, but would then break down in a neutral mixture of alkaline pancreatin and acid pepsin in one hour or less, and in alkaline pancreatin in not more than half an hour. He had no hesitation in recommending the adoption of that standard in the next edition of the Pharmacopæia. The test for uniformity of weight in the Pharmacopæia was applied with the object of ensuring uniformity of dose but that might not be achieved if the granulation was not sufficiently uniform. It had been pointed out that the use of twenty or more tablets in the official assay processes meant that the variation between individual doses could be at least four times the stated limits of drug content. Ideally it was desirable that the variation in dosage should not be greater than the maximum permitted weight variation of individual tablets, i.e., 10 per cent. When the proportion of active ingredient in the tablet was low, of the order of 1 per cent. or less, both the problems of adequate mixing and of individual tablet assay were much more difficult. Furthermore, the particle size of the powders used began to assume considerable importance. Mr.

Stephenson quoted experimental results showing that it was possible to achieve a fairly high efficiency of mixing in the finished granulation even when the proportion of active ingredient was less than 0.25 per cent. He expected the Pharmacopæia Commission would consider including stan-dards and, if possible, tests for unifor-mity of dose. The difficulty was to ascertain methods of analysis of sufficient accuracy when assaying such minute amounts. Anything less than ± cent, was of little value. When the development pharmacist had ascertained a formulation that appeared to be the best that could be obtained, it should be adhered to strictly in production. "Even an apparently quite simple change such as that of batch size could sometimes have a surprisingly large effect on the efficacy of the process.

Non-medicinal Tablets

Mr. Stephenson said that some of his most instructive as well as most interesting experiences had occurred in connection with tablets for non-medicinal use. He then referred to the production of soluble plugs in the form of large cylinders or annular rings of compressed pure chemicals. One such type was made of pure potassium bromide crystals coloured with methylene blue. During production it was found that the lengths of plug varied greatly but that the weights remained constant within = I per cent. It was found advisable to replace the moisture removed from the surface of the crystals by the alcohol used in the granulation process. The water was replaced a little at a time and when $\frac{1}{2}$ per ccnt. had been added the granules still flowed reasonably well and the plugs, although obviously being compressed firmly at both ends, were now all of very nearly the same length within the limits of specification. The moisture had apparently caused particles of potassium bromide to cohere rather than to adhere to the die surface and it was found that the pressure required to eject the plug was approximately equal to that being used to compress the granules from above. Mr. Stephenson added the interesting phenomenon of further compression on ejection was always present to some extent when tablets were made but was usually so small that it was not apparent. He then recalled the difficulties of tableting penicillin when it first became available during the 1939-45 war. The early freeze-dried salts were fairly readily

compressed after granulation with a volatile inert solvent but as the purity of the material improved and as the efficiency of the freeze-drying process was increased the difficulty of compression increased. The punches compressed the material but the emerging pellets fell to powder when pushed by the take-off mechanism of the machine. When water was added to the granulating solution until the granules contained about 2 per cent. of moisture after "drying" they could be satisfactorily compressed. The bonds which were produced when the moistened material was compressed remained sufficiently strong to enable the pellets to be dried, asceptically packed, stored and transported. Mr. Stephenson expected the variety of types of sustained release tablets to increase. He believed there was some evidence that side reactions were less when steady blood levels of drugs were maintained. The layer tablet continued to multiply for the very good pharmaceutical reason that if it was desired to administer two or more incompatible drugs in the same tablet it was possible to do that more satisfactorily by separating the drugs in a sandwich type of tablet than by putting one layer around another in a compression coated tablet. Suitably modified a double-side rotary machine or an ordinary compression coating machine could be used for making two layer tablets. For three layer tablets specially designed rotary layering machines were available but Mr. Stephenson preferred to use a triple-turret type of rotary compression coating machine where the problem of cleaning the punches be-tween the different stages did not arise and it appeared easier to prevent contamination of the ingredients of one layer by those of another.

Before giving the lecture, Mr. Stephenson was presented with the Harrison Medal by Mr. C. W. Maplethorpe (president of the Pharmaceutical Society) who said it gave him a special pleasure in that he had actually worked with Colonel Harrison who was a likeable and extremely efficient person. He had also had the pleasure of knowing Mr. Stephenson for a number of years. In thanking the president for the award. Mr. Stephenson said that it came as a great surprise to him in view of the previous medallists who included such cminent authorities as Sir Henry Dale, P. A. W. Self and Samuel Peck, He hoped that former colleagues would also consider that they shared in

the honour.

LONG SERVICE AWARDS: Four members of the staff of Crookes Laboratories, Ltd., London, N.W.10, were recently presented with gold watches to mark the completion of twenty-five years' ser-vice each with the vice each company. The picture shows Mr. Michael Ash (managing director) (centre) with Messrs. G. A. Napier (department of pharmacology), E. H. Seymour (export



nanager and a prominent member of the export division, Association of the British Pharmaceutical Industry), Mr. G. Keetch (maintenance chargehand) and A. Kingsley (assistant to the chief buyer).



S-III-II NON ON TI

S-M-A* is currently being advertised to mothers in the London, Midland, Northern and TWW television areas. An extensive campaign lasting for several months features regular spots, many of them in peak viewing time. The in with it by displaying S-M-A on your counter or in your window—use the special showcards and hand-out leaflets available from your local representative. Remember S-M-A at the new reduced prices of 6/9d. for the powder and 1/9d. for the liquid costs only fractionally more than ordinary cow's milk. Stock, display and recommend S-M-A for increased sales and increased profits.



John Wyeth & Brother Ltd., Taplow, Maidenhead, Berks.

* trade marks

SMA, 40





For Retailer, Wholesaler and Manufacturer
ESTABLISHED 1859

Published weekly at 28 Essex Street, Strand, London, W.C.2

TELEPHONE: CENTRAL 6565

Objections Underlined

THE British Broadcasting Corporation has performed a signal service by drawing the attention of the public, through its television programme "Tonight," to the activities of a company, Vitasafe Plan (England), Ltd., engaged in the distribution of vitamin products by direct mail to consumers. The programme showed an actual Press advertisement headlining a free offer above a mass of small type, somewhere in which appears a panel worded somewhat as follows:—

WHEN you receive your free 30-day supply of vitamins you are under no obligation to buy anything. With your vitamins you will also receive a handy card. If after taking your free Vitasafe tablets for three weeks you are not satisfied in every way, simply return the card and that will end the matter. If we do not hear from you we assume you want to carry on—and we will see that you get your monthly supply of vitamins automatically and on time for as long as you wish, at the low money saving price of only 13/9d. per month (plus a few pence for packing and postage).

Circulars on similar lines reach many potential applicants through their letter boxes. They include the panel referred to and a coupon to tear off and send to the company. The coupon, worded "Please send me my free 30-day supply of full-strength Vitasafe's C.F. Kaps under the Vitasafe plan," asks for 1s. 6d. per package for packing and postage, and includes a note that only one trial supply under each plan is allowed per family, but makes no mention of the "further monthly supplies automatically" or the "13s. 9d. per month (plus a few pence for packing and postage)." The supply thus comes unsolicited except, so to speak, by default, and all too soon a second supply comes along, with the bill, if not already paid, doubled. One of the persons to whom monthly supplies "under the Vitasafe plan" began to arrive was, as the television programme pointed out, Mr. J. Wright, the secretary of the National Pharmaceutical Union. What was not revealed was that, when Mr. Wright objected to the company that he had never sent in a coupon or made any other application for the products, a photostat was produced bearing (in a handwriting he did not recognise) the words "Mr. Wright," and the address of the Union. Somebody, mischievously or otherwise, had evidently sent in the coupon on his behalf, but it was he who eventually received a solicitor's letter demanding payment for several months'

Such trading methods, so obviously open to misunderstanding and abuse, may be criticised alike from moral and from health standpoints. Pharmacists need no telling how inappropriate it is that medicinal or paramedicinal substances should be disseminated wholesale and unasked through the community, perhaps to accumulate where children may easily pick them up, eat more than is good for them, and acquire habits of insufficient respect for medicines in general.

The affair shows up strongly the need for intensifying efforts to ensure that medicinal substances are responsibly distributed, and for all practical purposes that means intensifying the campaign to channel the retail distribution of all medicines through pharmacies, in which at least there is always somebody present who can warn and advise against misuse.

Sunday Trading and Rotas

THE Sunday Observance laws range widely from a group of Statutes of the fifteenth and seventeenth centuries (which, though obsolete, remain on the Statute book) to the Shops Act, 1950. After a consideration of that morass of legislation and the absurdities resulting from successive interpretations of various aspects of the law, the Crathorne Committee has sought to make recommendations (see p. 604) to produce a law "that would be respected and could be enforced." The current laws still largely reflect the seventeenth and eighteenthcentury principles that church attendance should be encouraged by prohibiting secular activities. The members of the Crathorne Committee hold that the laws no longer secure the purpose of encouraging church attendance, and that any attempt to do so would now be considered contrary to the freedom of the individual. However, the Committee found support for preserving the special character of the English Sunday. The Committee was told by those responsible for the administration and enforcement of the Sunday trading law that it had been virtually unenforceable in many respects, and that the gap between the law and modern practice was increasing.

The Committee recommends that the present general requirement that shops should close on Sundays should remain, but that the exemptions should be clarified and extended. It makes a number of recommendations in respect of chemist shops, including one that the sale of medicines and medical and surgical supplies should continue unrestricted on Sundays. The Committee noted that, though dispensing chemists were entitled under the Shops Act, 1950, to open all day on Sunday for the sale of medicines, medical and surgical appliances and other exempted goods, in practice the majority opened only for an hour in accordance with N.H.S. rota duties. It seemed unreasonable that, during the opening period, the chemist should have to refuse to sell goods that did not come within the exemption, and the Committee decided to recommend a general exemption for a limited period. Thus a dispensing chemist would be allowed to sell, for not more than two hours on Sunday, any goods he stocked provided that, if he opened for a longer period than two hours, he notified the local authority the two-hour period during which he proposed to take advantage of the exemption.

The Committee found that the provision of time off to members of the staff in lieu of Sunday employment had not appeared to give rise generally to many practical difficulties but, after reviewing the situation applicable to pharmacists, it has recommended that the

statutory conditions should not be applied to them. It did not consider practicable the provision of alternative conditions for pharmacists, such as are laid down in the 1950 Act. The Committee's approach will undoubtedly overcome any difficulties of legal drafting, and no doubt its members were influenced by the evidence given by Sir Hugh Linstead, speaking on behalf of the Pharmaceutical Society, that hours-of-service schemes and rota duties were generally accepted as part of a pharmacist's professional responsibility and that compensation should be by way of enhanced pay or longer holidays rather than by time off during the week. Sir Hugh thought that the conditions of service could safely be left to the professional negotiating machinery, and that pharmacists should be excluded from the provisions of the 1950 Act. On the other hand the Union of Shop Distributive and Allied Workers considered that the compensatory time off for pharmacists was inadequate, and made representations that the pharmacist should be subject to the same conditions of Sunday employment as shop workers.

If the Committee's recommendations are implemented then the problem of time, cash or holidays in lieu is one that must be tackled realistically by both sides at N.J.I.C. level. Otherwise for pharmacy the recommendations of the Committee appear to be a reasonable approach to overcome current difficulties. In each pharmacy the practical problem will still have to be faced whether the freedom to sell all goods during the two-hour period will necessitate the attendance of additional staff. That problem is one that is highlighted by the decision of the Boots organisation (see p. 601) to adopt a five-day week. Qualified staff are often fully extended when undertaking rota duties, and it is imperative that the pharmaceutical service to the public should not be impaired by excessive sales pressures.

BRANCH EVENTS

SHEFFIELD

Industry's Contribution to Health

LOCAL dentists and general practitioners were invited to a meeting of the Sheffield Branch of the Pharmaceutical Society in Sheffield on November 10. The speaker, Mr. G. N. Henderson (information officer of the Association of the British Pharmaceutical Industry) showed the film "A Small Price to Pay" and then spoke of the financial aspects of the industry and its contribution to the nation's health.

HOUNSLOW

Comments on Reconstitution

SECTIONAL representation in a reconstituted Council was unanimously rejected by members of the Hounslow Branch of the Pharmaceutical Society after Mr. J. C. Bloomfield (vice-president of the Society) had explained the Council's proposals at a meeting in Hounslow, on October 15. The following summarises views of the majority of those present:—

(1) Some change in the constitution of the Council appeared to be neces-

sary.

(2) Whilst co-option of those with academic interests on to the Council might be necessary, it was not agreed that there should be a distinction made between the three groups of institutions. It was considered that there would be no distinction so far as pharmacy was concerned between the older universities and the newer ones, and that colleges of advanced tech-

nology would not develop into universities of a different type. Furthermore, in the future, the regional colleges would offer degree courses in pharmacy and there would therefore appear to be no good reason for differentiation. It was considered that the academic members appointed to the Council should be pharmacists.

(3) Members unanimously rejected the proposal to have representatives of certain occupational sections elected. It was felt that the present method of election offered an equal opportunity to members of the various occupational sections. The results of the last Council election indicated that that was so. It was considered that sectional interests of minority groups in pharmacy could be taken care of by advisory committees, comprised of members representing the various sectional interests. Those committees could advise and bring to the attention of the Council the problems of the various sections,

(4) Members did not agree with the Council's reasons for rejecting territorial representation. It was the opinion of the meeting that the Council should consist partly of members elected territorially and partly of members elected on a national basis, in a manner similar to that by which the Council of The Royal Institute of Chemistry was elected. The Council would therefore consist of:—(i) Nominated academic members; (ii) members elected territorially; (iii) members elected nationally; (iv) members nominated by the Privy Council. No

opinion was expressed by the meeting on the optimum size of the Council.

BRISTOL

No Time Like the Present

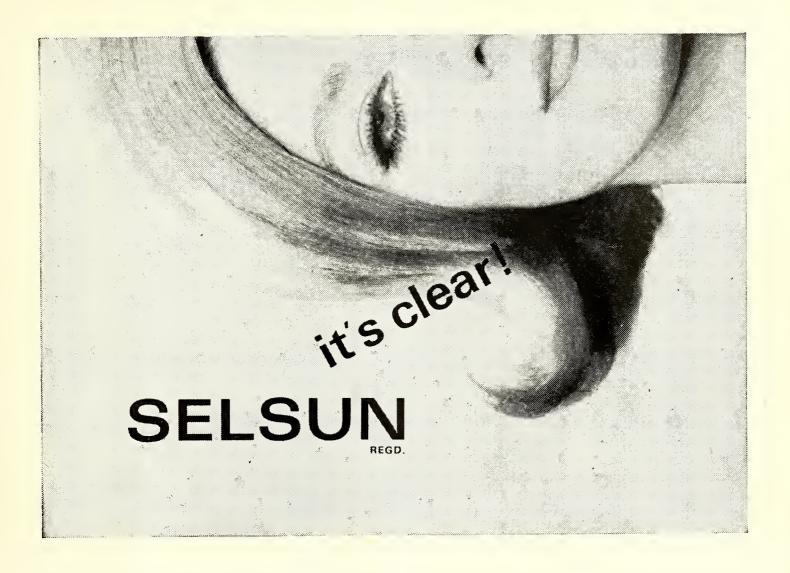
THE present time was a good time to be a pharmacist, said MISS M. J. WILKES (chairman), at the annual dinner and dance of the Bristol Branch of the Pharmaceutical Society, attended by some 220 members and guests, held in Bristol on November 4. One could watch the changes taking place in the profession with interest, whilst still remaining part of the old school of pharmacists, said Miss Wilkes who was replying to the toast "The Branch," proposed by Mr. D. E. Sparshott (a member of Council), who thanked members for their support of the Benevolent Fund and of Birdsgrove House. Mr. E. T. C. Chell (clerk, Gloucester County and City Executive Council) replied to the toast "Our Guests" proposed by Mr. T. W. Howells (Branch vice-chairman). The toast-master was Mr. S. R. Warlow. A Dutch auction realised over £30 for the Benevolent Fund.

EXPANSION PROJECTS

A RESEARCH laboratory is being established by G. D. Searle & Co., Ltd., at High Wycombe, Bucks, to augment clinical investigation work centred there in recent years. The new laboratory will operate in close relationship with the parent company's laboratories in Skokie, Illinois, U.S.A.



BRANCH V.I.P.'S: Officials and committee memhers of the Blackand District pool Branch of the Pharmaceutical Society at their annual dinner and Seated: dance. L. I. Anderson (assistant secretary), Mr. A. S. Smith (president elect), Mrs. H. Rigby and Mr. Rigby (president), Miss M. J. Parkinson (immediate pastpresident), and Miss R. R. Haigh (treasurer).



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Pharmaceutical Society of Ireland MONTHLY MEETING OF COUNCIL

PHARMACISTS contemplating introducing a "self-service" or "self-selection" layout for their premises, in an effort to make them more attractive, were urged by MR. D. J. KENNELLY at the meeting of the Council of the Pharmaceutical Society of Ireland, held in Dublin on December 8, to study the matter carefully before committing themselves to such projects. As he understood the terms, said Mr. Kennelly, "self-service" and "selfselection" meant that commodities were openly displayed in such a manner that the public might freely handle and remove them. That occurred without any, or with little, supervision. Though at first the subject might look as if it were a matter for the Irish Drug Association. he felt it to be important that the Council should make known its views. It was pleasing to see pharmacists improving their premises, said Mr. Kennelly, but he was slightly apprehensive that layouts such as those under discussion might be installed without due regard to what was required of a pharmacist. Self-service in a pharmacy implied that there would be no assistants but only pricing clerks. With selfselection the customer took goods off open shelves and brought them to an assistant. The distinction was important. Self-selection seemed capable of being incorporated within a pharmacy layout to a degree, but the dual nature of general pharmacy prevented it from being applied completely. It could not apply to medicines, whether scheduled or non-scheduled. He had been glad to hear the new president stress, at the recent conferring ceremony, the importance of having medicines distributed only through pharmacists, a subject on which he had often spoken during his own term as president. Passing around a publication containing an illustration of a pharmacy that incorporated a self-selection layout, Mr. Kennelly said it was typical of the new trend. Among the preparations to be seen on its open shelves were some containing scheduled poisons. "Our argument has always been that, because of the dangers involved, all medicines should be sold only through pharmacists. There is no harm in having a self-selection layout when it applies to toilet requisites and general sundries, but the double barrier of a counter and a pharmaceutical staff should exist between the public and medicinal products. If we accept any other form of distribution of medicines we are going over to the side of the Fair Trade Commission and agreeing with the Fair Trade draft rules of November 1963, which implied that household medicines were goods and could be sold 'by the most economic and efficient channels,' which means they may be sold through supermarkets."

Self Service and Medicines

He urged the Council to recommend members who felt they should improve the interiors of their pharmacies that in no circumstances should medicines be displayed on open shelves. A Bill relating to the sale of medicines was in contemplation. It might contain legislation making it obligatory in law to have scheduled poisons stocked in a part of the premises not accessible to the public. If that became law, as he thought quite probable, many pharmacists would have to undo a lot of work and incur considerable expense in re-altering their premises.

Seconding adoption of the motion, MR. M. COSTELLO endorsed what Mr. Kennelly had said. It was wrong that a member of the public should be allowed to take medicines off open shelves. MR. H. P. CORRIGAN also supported the motion. Another supporter, MR. T. R. MILLER, asked whether the Council had power to prevent pharmacists from displaying medicines in that fashion. "No," replied MR. CORRIGAN, "This is only a recommendation." MR. KENNELLY explained that the Council had no disciplinary powers where members were concerned, but he felt it

should be their policy to make statements on professional matters. The Pharmaceutical Society of Great Britain had wide disciplinary powers. Nevertheless it was the practice in Britain, as in most continental countries, for the Society to make statements on matters of importance and to have them circulated. The motion was intended to give guidance, but there was no legal obligation on pharmacists to comply with its recommendations. MR. MILLER agreed that, as leaders, they should make statements of that type in the interest of their members.

Mr. Kennelly was to be congratulated in having brought forward the motion, said MR. G. C. O'NEILL. There were many things the Council could not prevent but it was their duty to give guidance, and many pharmacists might be unwittingly engaged in self-selection.

Motion Deferred

MR. R. J. Power said he differed fractionally from Mr. Kennelly in the matter. Trading constituted 80 per cent. of the pharmacists' daily work, and he thought a "happy medium" should be possible by maintaining a modern business approach to general lines and a particularly professional one to the sale of medicines. An essential part of all sales of medicines should be the giving of verbal instructions as to the use of the product. It was rather harsh, he thought, that "impulse sales such as milk of magnesia or syrup of figs" should be subjected to the same stringent control as the more potent medicines. It was unlikely that anybody could become addicted to such products.

MR. M. L. CASHMAN described the motion as important. It had such deep implications that it might be desirable to defer consideration to a later meeting in order to hear the views of absent members. He himself did not think it was physically possible to divide a pharmacy into non-medicinal and medicinal sections. His view was that the image of pharmacy would not be safeguarded by competing, perhaps not too successfully, with the man who merchandised goods—the very man who, they said, was not a fit person to distribute household medicines.

Mr. Kennelly explained that he had tabled the motion in order to hear Council members' views so that eventually it would be possible to send out recommendations to members of the Society. It was decided to defer further consideration of the motion until the January meeting.

A warning was issued by the Council to pharmacists who had not yet paid their retention fees to do so immediately. Mr. J. P. O'Donnell (president) said "Payment of the retention fee is a statutory obligation, and so far as the Council is concerned it is regarded as routine office work. Those who have not yet paid are reminded that there can be no further delay or dispute about paying. The Council is proceeding against defaulters, and it is expected that the first cases will come before the courts before Christmas. (To be concluded)

NEW BOOKS

Our Most Interesting Diseases

H. BURN, George Allen & Unwin, Ltd., Ruskin House, 40 Museum Street, London, W.C.1. $8\frac{1}{2} \times 5\frac{1}{2}$ in. Pp. 180. 25s.

THE author is emeritus professor of pharmacology at the University of Oxford, yet he has succeeded in writing for the layman an interesting and easily followed text on subjects that might at first sight appear to be impossible to reduce to simple terms. Even the professionally qualified should find interest in the book, for the author has included many of his own ideas and his own approach to the problems discussed, which include cancer, high blood pressure, coronary thrombosis, ulcers, allergy and bronchitis.

NEW IRISH LICENTIATES

Conferring ceremony in Dublin

"A SPECIAL day in the history of Irish pharmacy" was how the president of the Pharmaceutical Society of Ireland (Mr. J. P. O'Donnell) described the annual conferring day at the College of Pharmacy, Dublin, on December 1, when twenty-five licentiates received their certificates. Stating that four of the recipients had qualified via the new degree course, Mr. O'Donnell said "They are the first representatives of the new order." The fact that many of the new pharmacists would pursue careers in industry and not in the retail practice of pharmacy emphasised the way in which the profession was being undermined. A remedy must be found for the intolerable situation in which fifty per cent. of the population was being diverted from pharmacies by provisions under the 1953 Health Act. Existing trends if continued would jeopardise an ordered pharmaceutical service, causing community hazards. Quoting the definition of a pharmacist in the Pharmacy Act, the president said that in pursuing that rôle the pharmacist employed his gifts in diverse capacities, apart from his obvious func-tions. Licentiates would find that, not least among their services, would be to protect man from himself. That rôle would grow more exacting. Thev

would, on occasion, play a vital part in preserving the mental and moral well as bodily health. The advent of the Poisons Act 1961 and Pharmacy Act 1962, put their registration at the start of a new era of poisons and drug control in Ireland. Because morality lay in free choice, said the president, the mere enactment of a law could not make man moral or healthy in soul or body. The public consented grudgingly to control of any type, so the new legislation required the pharmacist's vigilance and his personal concern to ensure the protection of the public from excesses, addiction, misuse of drugs and harmful self-medication. While pharmacists welcomed the new regulations, despite the added legal responsibilities they imposed, the effectiveness of the legislation was greatly reduced because many medicines were issued without the requisite dual control of (1) the pharmacist and (2) a medical prescription. That would result in an increase in the undesirable tendency of patients to prescribe for themselves

Licences were conferred as follows:—Firstclass honours, P. B. Deasy, 11 Sallymount Gardens, Ranelagh, Dublin, Second-class honours, T. A. McGuinn, Cashel, Curry, Ballymote, co. Slígo. Pass, J. G. Brosnan, 19 Henry Street, Kenmare,

A DUBLIN MANUFACTURER EXPANDS

Larger factory for a forty-year-old business

A DUBLIN pharmaceutical manufacturing, filling and distributing business gave proof of its forty years' success when it opened a new factory at Finglas recently. The business of Victor E. Hanna, Ltd., began, like many another of its kind in all countries, as a development from a retail pharmacy. In 1924 Mr. Victor E. Hanna was both an examiner of the Pharmaceutical Society of Ireland and a near neighbour, being in practice as a pharmacist at 70 Lower Mount Street, Dublin,



EXECUTIVES OF THE COMPANY: Messrs. George Derek Hanna (sales), John Dudley Ridgeway (sales) and Ernest C. Ridgeway (pro-

He entered the wholesale side of pharmacy around 1920, when he took over the distribution of Aspro in the then Irish Free State, and remained the distributor until the manufacturers opened their own factory near Dublin. He became also the Irish distributor for Ovaltine, Trufood, Kolynos, etc., and as the business grew acquired adjoining property from 68 to 72

Lower Mount Street. At the rear of them he built a large factory. To devote his whole attention to that side of the business Mr. Hanna disposed of the retail pharmacy in 1926.

Manufacturing and packing of the Max Factor range of cosmetics was begun in 1948, and in 1956 the company negotiated the sole rights to manufacture, pack and distribute Dorothy Gray cosmetics in the Republic. In "Bonnie Baby" powder, which the company make at the Finglas factory, there is a considerable export business, and the company also pack and market Ovaltine in the Republic.



One of the production rooms in the new factory.

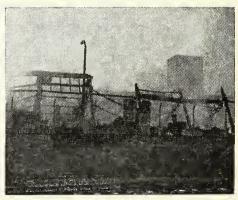
co. Kerry; P. F. Coghlan, 99 Main Street, Carrick-on-Suir, co. Tipperary; T. G. Cronin, Ballybeg, Ballymacelligott, Tralee, co. Kerry; Carmel F. Feeney, 113 New Ireland Road, Rialto, Dublin; P. G. Flynn, "Lenaboy," Ardnaree, Ballina, co. Mayo; Mary B. Hayden, Crohane, Killenaule, Thurles, co. Tipperary; Mary R. Lynch, Medical Hall, Cahir, co. Tipperary; M. J. McAuliffe, 35 Ciaremont Road, Dublin; T. A. C. Maher, 12 James Street, Drogheda, co. Louth; P. M. Meagher, 10 Upper Baggot Street, Dublin; D. G. Murphy, 61 Upper Drumcondra Road, Dublin; P. J. O'Sullivan, Clonea, Carrick-on-Suir, co. Tipperary; B. J. Owen, 91 North Main Street, Youghal, co. Cork; Maire S. Sheehan, Strokestown, co. Roscommon; Mrs. Ita J. Shiels, Forquar, Milford, co. Donegal; P. L. A. Stenson, 250 S.C. Road, Dublin; Helen T. A. McDonnell, Athgarvan Road, Newbridge, co. Kildare; Aidan Murphy, 2 New Street, Bantry, co. Cork; Mrs. Elizabeth V. O'Shea, 31 The Rise, Mount Merrion, co. Dublin.

In Absentia. — B. Mosiieman, Bechuanaland, South Africa.; C. O. Sode, Nigeria; A. O'Malley, The Pharmacy, Castlebar, co. Mayo; .. O'Reilly, Church Hill, Wicklow.

MAKERS' ACTIVITIES

Quads' Party. — Cow & Gate, Ltd., Guildford, Surrey, recently held a "quads' party" in London at which were present the Miles quads of St. Neots (born 1935), the Good quads of Bristol (born 1948), the Taylor quads of Edmonton (born 1948), the Coles quads of Westminster (born 1959), the Bennett quads of Stepney (born 1957), the Meacham quads of Leigh-on-Sea (born 1962), and the Cumming quads of Aberdeen (born 1963).

Ministerial Visit to Factory.—Innoxa (England), Ltd., 436 Essex Road, London, N.1, recently had a visit from the Rt. Hon. Mr. Edward Redhead (Minister of State Overscas) together with officials from the Board of Trade. The visit had been requested by the Mini-ster for the purpose of discussing the way in which the company had been able to achieve its unusually high export turnover (66 per cent. of the total). One secret seems to have been to overcome language difficulties. The chairman speaks in nine languages and most of the executives speak at least two. The company also pays for employees to receive language tuition. Overseas visits also contribute. During the past twelve months representatives of the company have visited about 47 different countries. Such contacts are considered essential as shades of make-up sold in the United Kingdom may be quite unsuitable under the light conditions in other parts of the world.



WAREHOUSE GUTTED: Scene of former large warehouse building at Winthrop Laboratories, Ltd., Newcastle-on-Tyne, which was destroyed by fire recently.

TRADE REPORT

The prices given are those obtained by importers, or manufacturers for bulk quantities or original packages.

LONDON, DECEMBER 16: Prices of CRUDE DRUGS moved little during the week, the volume of business trans-acted following the seasonal declining pattern. Cape Aloes having overtaken the value of Curação is expected to go further ahead. BUCHU supplies have virtually been cleared on the spot and new crop offers are awaited. Some adjustment was made in the price of the various grades of CINNAMON QUILLS. Cochin GINGER added 10s. a cwt. for prompt shipment. PEPPERS were firm. Alexandria hand-picked SENNA PODS were exhausted and only very limited supplies of manufacturing grade remained. SHELLAC was slightly easier. Among Aromatic SEEDS, Celery was 5s. a cwt. dearer while shipment offers rose 12s. 6d. per cwt., to make the forward position dearer than the spot; CUMIN was also firm because of small supplies.

In ESSENTIAL OILS, the price of CARDAMOM has risen steeply in line with the fruit. Formosan CITRONELLA was down threepence at 5s. per lb., inbond. After weeks of rising prices
PATCHOULI fell sharply, the in-bond
being quoted at 35s, per lb. against 42s.
No changes were reported among

PHARMACEUTICAL CHEMICALS although manufacturers of CITRIC ACID advised that they would be reducing their prices from January 1. Prices of PHTHALATES have been reduced. DI-METHYL, DIBUTYL and DI-ISOBUTYL are £5 per ton cheaper in bulk and £3-£2 lower in drums but unchanged in cans. DIETHYL is £6 down for bulk, £4-£3 in drums and by £1 in cans.

Pharmaceutical Chemicals

Where material is of foreign origin prices below may be subject to 15 per cent, import surcharge.

ACETIC ACID.—Per ton, in bulk; B.P.C. glacial £80 to £84; 98–100 per cent. £76 to £80. Technical 80 per cent. grades: Pure £70 to £74; technical, £64 to £68. Small lots B.P.C., 5-gall. demijohn, 16s. per gall.; 10 demijohns, 11s. per gall.

ACETYLSALICYLIC ACID. — One-ton lots, 4s. $0\frac{1}{2}$ d. per lb.; 5-cwt., 4s. 5d.; 1-cwt., 4s. 8d.

p-Aminosalicylic acid. — Soi 17s. 6d. per kilo for 1,000-kilo lots.

BACITRACIN. — Sterile topical is 53s. per mega unit for 25 m.u.

BORAX.—B.P. grade, 1 ton and upwards: Granular, £54 10s.; crystals, £58; powder, £59; extra fine powder, £60 per ton, all in hessian sacks. Less £1 for paper bags. Commercial from £44 10s. to £51 per ton as to type and packing. Anhydrous borax is £68 1s. per ton in hessian bags or £67 1s. in paper bags, including import surcharge; carriage paid in Great Britain. Surcharges for small quantities: Less than 1 ton but not less than 10 cwt., 2s. per cwt.; 5 to 9 cwt., 4s.; 1 to 4 cwt., 8s.

Boric Acid.—B.P. grade in 1 ton and upwards (per ton): Granular, £84; crystals, £97; powder, £90 10s.; extra-fine powder, £92 10s. per ton in lined hessian bags, carriage paid in Great Britain. Less £1 per ton if supplied in paper bags. Technical from £70 to £80 10s. per ton according to type and packing ing to type and packing.

CITRIC ACID.—Domestic powder in kegs, per cwt, 1-4 cwt, lots, 224s.; 5-19 cwt., 223s.; 1 ton, 222s. Crystals plus 10s, cwt. ANHYDROUS powder and granular plus 10 per cent, All less 7s, cwt, if in bags.

NE. — One-kilo lots, ACETATE HYDROCORTISONE ACETATE OF CORTISONE. -4s. 6d.; HYDROCORTIS ALCOHOL, 4s. 6d. per gm.

FUMARIC ACID.—Food grade in 5-cwt. lots is 227s. to 234s, per cwt. according to container.

GLYCYRRHETINIC ACID.—Per oz., 50s. HYDROCHLORIC ACID.—B.P., 50s. per cwt. in carbovs.

HYDROCYANIC ACID.—Dilute B.P.C. 1954, from 4s. to 4s. 7d. per litre, as to quantity; Scheeles' from 4s. 9d. to 5s. 4d.

HYPOPHOSPHOROUS ACID. — B.P.C.,

1959, 15s. 5d. per kilo; 50 per cent., 19s. 3d.

LACTIC ACID. — B.P. 4s. 5d. per lb. for 12-winchester lots and 4s. for 5-cwt. lots. Edible, 80 per cent. acid, 2s. 4d. per lb. for under 1-ton lots: 12-winchesters, 2s. 8d. per lb.

MALIC ACID.—One-ton lots £190 in paper

Mandelic acid.—One-cwt. lots, 12s. 6d. per lb. Calcium salt also, 12s. 6d. Sodium mandelate, 13s. and Ammonium MANDELATE 50 per cent. solution, 7s. 6d.

METHYL TESTOSTERONE.—Per kilo, £95. NEOMYCIN. — SULPHATE, B.P., 740s. per kilo; 5-kilos, 700s. per kilo.
OESTRADIOL. — MONOBENZOATE, 14s. 6d.

per gm.

OLEIC ACID.—B.P. grade, £186 10s. per ton. 1-gal. lots, 22s. 8d.

Oxalic acid.—Manufacturers' rates for 1-ton lots, £132 per ton.

PENICILLIN. — SODIUM, POTASSIUM, or PROCAINE, 6d. per mega unit.

PHOSPHORIC ACID. — B.P. (s.g. 1.750) drums, 1s. 4d. per lb.; bottles from 4s. 7d. Pyrogallic acid. — One-cwt. crystals, 27s. 9d. per lb.

Salicylic acid. \rightarrow 5-cwt. lots, 3s. $2\frac{1}{2}d$. per lb.

STREPTOMYCIN.—BASE or SULPHATE, 9d. per gm. Same price for DIHYDRO.

TANNIC ACID.—The B.P. fluffy, 8s. 3d.

per lb. (5-cwt, lots).

TARTARIC ACID. — (In kegs): 1-ton lots, 275s. per cwt.; 5–19 cwt., 281s.; 1–4 cwt., 284s. Bags 8s. cwt. less. Crystals 7s. per cwt. more than powder and granular.

THIOGLYCOLLIC ACID. — Basic rates per lb., 97-98 per cent., 26-lb. packs, 15s.; 75 per cent., 11s. 6d. Ammonium Thioglycollate, 40 per cent. ph 9·3 (24-lb. packs), 6s. 8d.; Monoethanolamine Thioglycollate, ph 9·9, 4 per cent., 9s. 10d. All carriage paid United Kingdom and subject to purchase tay. ject to purchase tax.

Crude Drugs

BALSAMS. — Per lb.: CANADA: Spot 21s. to 25s. Copaiba: B.P.C. grade 9s. to 10s. 6d. Peru: Spot cleared, no shipment offers. Tolu: B.P., from 10s. 6d. to 27s. 6d. BELLADONNA.—HERB, 3s. per lb., spot, nominal. Root, 1s. 8d. per lb., spot; shipment, 1s. 7d., c.i.f.

Buchu.—Spot is 5s. 6d. per lb. nominal. New crop offers awaited.

CASSIA.—Fistula, 105s. per cwt. landed; lignea (whole), shipment unquoted; selected broken, 180s., c.i.f.

CINNAMON. — QUILLS, Ceylon (per lb., c.i.f.): 4 O's, 9s.; single O, 8s.; BARK, Seychelles, 115s. cwt. spot; shipment, 95s., if

GINGER.—(Per cwt.) African, spot, 315s. per cwt. Jamaican No. 3 spot, 550s.; Cochin, new crop, December-January,

NUTMEGS.—(Per lb.). West Indian, spot, 80's, 9s. 6d., nominal; 110's, 7s. 6d.; defectives, 5s. 3d. East Indian for shipment, 80's, 7s. 5d.; 110's, 6s. 6½d., b.w.p., 4s. 0½d., c.i.f.

PEPPER.—White Sarawak spot is 3s. to 3s. 2d. per lb.; shipment, 3s. $0\frac{1}{2}$ d., c.i.f. Black Sarawak spot in short supply, 2s. 8d. quoted nominal. Shipment, 2s. $7\frac{1}{2}$ d., c.i.f. Black Malabar spot, 3s. 3d.; shipment dearer at 352s. 6d. per cwt., c.i.f.

RHUBARB.—Manufacturing grades offered at from 5s. to 8s. 6d. per lb.; No. 1, 15s. 6d.

15s, 6d.

SEEDS. — (Per cwt.). Anise.—Spanish, 240s., duty paid; shipment Cyprian, 195s., c.i.f. Caraway.—Dutch, 135s., duty paid. Celery.—Because of higher shipment prices, Indian spot is now quoted at 170s.; shipment, 175s., c.i.f. Coriander.
—Moroccan, 57s. 6d., duty paid; shipment: Moroccan, 45s. 6d., c.i.f. and new crop Rumanian whole seed, 55s., c.i.f. Cumin.—Firm with small supplies only available. Cyprian, 345s., spot and Moroccan, 350s., duty paid. Cyprian 305s., c.i.f. Dill.—Indian, 90s., spot; shipment, 75s., c.i.f. Fennel.—Chinesc, 135s., duty paid; Indian, 175s.; shipment Chinese, 107s. 6d., c.i.f. Fenugreek. — Moroccan, 48s. 6d., duty paid, shipment, 35s. 6d., c.i.f., paid. Mustard.—English, 47s. 6d. to 80s., according to quality.

Senna. — (Per 1b.). Tinnevelly leaves

SENNA. — (Per lb.). Tinnevelly LEAVES spot: Prime No. 1, 2s.; prime No. 2, 1s. 8d.; No. 3, f.a.q., 1s. 2d. Shipment: No 3, 1s., c.i.f Pods: Tinnevelly handpicked, 2s. 1½d., spot: manufacturing 1s. 4½d.; shipment, 1s., c.i.f. Alexandria Pods: hand-picked cleared; manufacturing, small lots at from 3s. 3d. to 3s. 6d.

SHELLAC.—F.O.T.N. pure, 218s. 6d. per cwt.; Standard No. 1, 238s. 6d.; F.O., from 260s. to 320s.

Essential and Expressed Oils

ANISE. — Chincse, 10s. 6d., spot; shipment, 9s. 9d., c.i.f.

BUCHU.—Spot. from 270s. to 360s. per

CALAMUS.—Spot, from 70s. per lb. as to origin.

CARDAMOM.—Indian from 295s, per lb., spot.

CINNAMON.—Best English-distilled, 720s. per lb.; other B.P. oils from 22s. to 120s. per lb. Ceylon leaf, 20s. nominal; Seychelles from 9s. 6d., spot.

CITRONELLA, — Ceylon, spot, 6s. 9d.; shipment, 5s. 9d. per lb., c.i.f. Formosan, 5s. 6d. in bond; shipment, 5s. 6d., c.i.f. nominal; Chinese, 5s., c.i.f.; spot, 5s. 6d., in bond.

CUMIN.—English distilled oil, 125s, per lb., imported, 90s. to 120s.

GRAPEFRUIT.—Spot offers from 10s. 6d.

LAVENDER. — French, from 46s. to 57s. 6d. per lb. as to quality.

LEMONGRASS. — Spot, 9s. per lb.; shipment, 8s. 1d., c.i.f.

Orange.—Floridan sweet oil, 4s. 6d. to 6s. per lb. West Indian, 10s.; Spanish, 16s. 6d. to 18s.

PATCHOULI. — Penang is 35s. per lb., in bond and from 30s. to 35s., c.i.f. for ship-

PEPPERMINT. — Arvensis: Chinese for shipment, 6s. 9d., c.i.f.; spot, 7s. 3d. Brazilian for shipment, 6s. 9d., c.i.f.; spot, 7s. 9d. Piperita: Italian, 48s. to 60s., spot; American from 35s. per lb. as to make.

UNITED STATES REPORT

NEW YORK, DECEMBER 15: Makers' prices of U.S.P. and technical grades of synthetic Camphor have been advanced by two to five cents per lb. Gum ACACIA prices have receded slightly from recent high levels. LAVENDER OIL was marked higher reflecting the continued upward trend in import prices.



What doctors are reading about developments in drugs and treatments

SOME anomalies in dosage brought about by the strengths of certain proprietary medicines being labelled variously in terms of drug base or salt are pointed out by the editors of *Drug and Therapeutics Bulletin*. Amitriptyline, they state, is available in strengths of 10 and 25 mgm. of hydrochloride as Tryptizol, and in the same weights of amitriptyline base as Laroxyl and Saroten. The two last-named products therefore contain about 13 per cent. more of the active drug than does Tryptizol. Nortriptyline is marketed as Aventyl and Allegron-both, it is understood, produced by the same manufacturer. But strength of Aventyl is expressed as hydrochloride and that of Allegron as base, suggesting a difference of about 14 per cent. in active drug. The Bulletin editors use those examples to propose that the manufacturers should consider following the British Pharmacopeial practice of expressing doses in terms of the salt. (D. & T.B., December 11.)

Lymecycline

[Abstract] THE effects of lymecycline and tetracycline are compared in laboratory and clinical conditions by workers at Queen Elizabeth Hospital, Birmingham (Brit. med. J., 1964, II, 1491). Lymecycline is obtained by combining tetracycline base with L-lysine in the presence of formaldehyde. A preliminary cup-plate assay of the antibiotics using Staph. aureus (Oxford strain) as test organism showed both to give identical inhibition over the assay range taking 1 gm. of lyme-cycline as equivalent to 605.6 mgm. of tetracyline base. Minimum inhibitory concentrations were determined for strains of twelve bacterial species. Little difference was shown and for the assay strain the M.I.C.'s were identical. Strains of Str. faecalis found to be resistant to tetracycline were also resistant to lymecycline. Lymecycline is believed to dissociate into its constituent parts in the body. Any tetracyline activity detectable in serum or body fluids would thus be due to both undissociated lymecycline and to tetracycline base. If the two compounds behaved differently, satisfactory determinations of blood antibiotic levels would be difficult to perform. Lymecycline was found to give consistently higher serum levels determined in six volunteers at intervals up to eight hours after administration of a single oral dose of 250 mgm. tetracycline hydrochloride and after a dose of lymecycline equivalent to 162 mgm. of tetracycline hydrochloride. A statistically significant higher urinary excretion rate for lymecycline was found.

In the clinical trial fifty-eight patients, three of whom died, were lymecycline, and forty-four given

patients received tetracycline. Three of those patients died, and one responded unsatisfactorily. Success or otherwise of the therapy was assessed on the basis of clinical response. Blood levels in patients were found to be lower after lymecyline than after tetracycline, contrary to what had been found in the volunteers, though the difference was not statistically significant. The greater urinary excretion of lymecycline might imply greater absorption from the gut. Despite the lower serum levels found in the clinical trial, the authors feel that lymecycline was an acceptable alternative to tetracycline hydrochloride but with no great advantage over that drug.

A further investigation of lymecycline is reported by workers at Ware Park Hospital, Herts (ibid. 1495). A doubleblind comparison of tetracycline hydrochloride and lymecycline in ninety patients with exacerbations of chronic bronchitis leads them to conclude that lymecycline was superior in tolerance and equal in clinical effects to tetra-cycline hydrochloride. Capsules containing 250 mgm. of tetracycline hydro-chloride or 200 mgm. of lymecycline were used. Treatment consisted of two capsules four times daily for one week then one capsule four times daily for two weeks. Half-way through the trial the number of capsules given daily was doubled as the previous dosage was not enough. At the end of the first week treatment was reviewed on the basis of clinical impression and sputum becoming mucoid. If mucoid, the treatment was continued, otherwise a change to the alternative treatment was made. Treatments were again assessed at the end of the course. Lymecycline was successful in ten out of twenty-five patients started on tetracycline hydrochloride, and tetracycline hydrochloride in seven out of twenty patients started on lymecycline. Lymecycline gave more partial successes than tetracycline hydrochloride but the difference was not significant.

With lymecycline side effects throughout the trial occurred in thirteen out of sixty patients and caused discontinuance in just over half. With tetracycline hydrochloride side effects occurred in twenty-three out of sixty patients and was discontinued in three-quarters. Six of fifteen patients transferred to lymecycline were intolerant to that as well as to tetracycline hydro-

chloride.

NEW COMPANIES

P.C.=Private Company, R.O.=Registered Office

ALKLIAM CHEMISTS, LTD. (P.C.).—Capital £100. Subscribers: Jean Herbert and Thomas A.

Herbert, 156 Strand, London, W.C.2.

BASIC BEAUTY, LTD. (P.C.). — Capital £1,000. To carry on the business of manufacturers of and dealers in perfumes, cosmetics, etc. Directors: Michael A. Blythe, June Blythe, Arthur Cheney and Phyllis Cheney, R.O.: 17

Devonshire Street, Keighley, Yorks,
CLAUDIAN COSMETICS, LTD. (P.C.). Capital £100. Directors: James B. Griggs Hilda A. Griggs, R.O.: 351 Richmond Road. Twickenham, Middlesex.

H. F. DAVIS (PHARMACY), LTD. (P.C.). Capital £100. Subscribers: S. Feldman and Mrs. B. Matz, 149 Hanover Road, London, N.W.10.

F. M. DUFFY, LTD. (P.C.).—Capital £500.
To carry on the business of wholesale or retail chemists, etc. Directors: Francis M. Duffy, M.P.S., and Jean Duffy, R.O.: "Jantora," Foregate, Highgate Park, Fulwood, Preston. H. E. FRY, LTD. (P.C.).—Capital £1,000. To carry on the business of wholesale or retail chemists.

chemists, etc. Directors: Herbert T, E, Fry, M.P.S., and Valerie T, Fry, M.P.S. R.O.: Victoria Pharmacy, Malvern Link, Worcs.

HARRY HARROP & SON, LTD. (P.C.).-Capital £500. To carry on the business of herbalists, etc. Directors: Roy Harrop and Margaret J. Harrop, R.O.: 133 Stamford Street, Ashton-

LIQUFRUTA, LTD. (P.C.)-Capital £100. To carry on the business of proprietary medicine manufacturers, etc. Subscribers: Antony J. manufacturers, etc. Tuck and John D. Hofgate, 1 Aldersgate, London, E.C.1.

VICTOR MILLER, LTD. (P.C.). — Capital £100. To carry on the business of chemists, druggists, etc. Directors: Julius Jacobson and Muriel Jacobson, R.O.: 24 Rimmer Avenue, Liverpool, 16.
MINUTE MAGIC PRODUCTS, LTD. (P.C.).

Capital £1,000. To carry on the business of manufacturers of and dealers in cosmetics, etc. Directors: John B. Ayton and Maurice Bendig. R.O.: 18 Fountain Street, Bradford, ONA-OLA, LTD. (P.C.).—Capital £100. To

carry on the business of dispensing, wholesale

and retail chemists, etc. Subscribers: W. Reichmann, 10 Kingsdown Avenue, London, W.3,

and D. E. G. Wing.

PACKAGING AND PROCESSING, LTD.

(P.C.).—Capital £100. To carry on the business of manufacturers of machinery for processing of and packing of every kind of food, drugs, medicines, etc. Subscribers: Alfred H. Yallop and Giles A. Ester, 6 Sackville Street, London,

H. RANKIN (CHESTER), LTD. (P.C.).-Capital £1,000. To carry on the business of chemists and druggists, etc. Directors: Francis H. Rankin and Violet D. Cutler. R.O.: 14A

Frodsham Street, Chester,
R, STEINER (LONDON), LTD. (P.C.).—
Capital £100, To carry on the business of manucapital Flow. To early on the business of manufacturers of and dealers in chemical, pharmaceutical, cosmetic and scientific preparations, etc. Subscribers: Rudolf Steiner, D.Sc., Ph.D., Ida Steiner, Erwin G. Steiner and Steven P. Steiner, 75 Malford Court, London, E.18.

MICHAEL TEEMAN, LTD, (P.C.),—Capital £100. To carry on the business of retail chemists, etc. Directors: Michael Teeman, F.P.S., and Shirley Teeman. R.O.: 182 Tong Road.

Lecds, 12.

J. W. TINSLEY (CHEMISTS), LTD. (P.C.).

—Capital £1,000. To carry on the business of chemists and druggists, etc. Directors: James W. Tinsley, M.P.S., and Edna H. Tinsley. R.O.: 134 Darkes Lane, Potters Bar, Middlesex, WADECOURT, LTD. (P.C.).—Capital £100.

To carry on the business of wholesale and retail chemists, etc. Subscribers: Stanley H. Lucas and Francis A. Dean. R.O.: 6 Surrey Street, London, W.C.2.

WADWARE, LTD. (P.C.). - Capital £100. To carry on the business of wholesale and retail chemists and druggists, etc. Subscribers: Stanley H. Lucas and Francis A. Dean, R.O.: 6 Surrey Street, London, W.C.2.

WEST MOUNT CHEMICALS, LTD. (P.C.). —Capital £100. To carry on the business of manufacturers of and dealers in chemicals, etc. Directors: John R. Dawson, 11 Nicholas Directors: John R. Dawson, 11 Avenue. Whitburn, co. Durham, and Rose-Avenue, Whitbut mary V. Dawson.

WILLS

MR, W. L. J. BARWICK, M.P.S., 8 West Town Lane, Brislington, Bristol, left £9,550 (£7,486 net).

MR, E, O, Bails, M.P.S., 12 Caygill Terrace, Skircoat Road, Halifax, Yorks, left £8.249 (£8,192

MR, J. T. W. BINNS, M.P.S., Orchard End. Inlands Lane, Nutbourne, Chichester, Sussex, left £25,739 (£25,598 net),

MR, C, F, FLANAGAN, M.P.S., 20 Hougoumont Avenue, Waterloo, Liverpool, left £4,131 (£4,054 net)

MR, J. F. FOWIE, M.P.S., 54A Holmcfield Road, Whitwell, Worksop, Notts, left £812 (£689 net).

MR, J. A. FYFFE, M.P.S.N.I., 30 Moira Drive, Bangor, co. Down, Northern Ireland, left personal estate in Great Britain and Northern Ireland valued at £10.122.

MR, C. W. GALLAGHER, M.P.S., 5 Norman Road, Northfield, Birmingham, left 46,625 (44,827 net).

Mr. E. T. George, M.P.S., 7 Ryecroft, Harlow, Essex, left £9,465 (£7,882 net).

MR, T. D. Johnson, M.P.S., Thomas Taylor Homes, Stannington, Newcastle upon Tync, left £2,560 (£2,519 nct).

MR, W. T. KEELING, M.P.S., 9 Endwood Court, Handsworth Wood Road, Birmingham, left £9,317 (£8,502 net).

Mr, W, J, Lacey, M.P.S., 90 Earlham Road, Norwich, Norfolk, left £90,792 (£90,499 nct).

MR, H, LEE, M.P.S., 3 Kingsford Avenue, Churchfield Lane, Nottingham, left £5,586 (£5,531 net)

MR, H. LEEMAN, M.P.S., 3 Sunnymode Drive, Barkingside, Ilford, Essex left £6,725 (£6,433 net).

MR, E. A. OSBORN, M.P.S., 180 Coalway Road, Wolverhampton, Staffs, a former secretary and chairman of the South Lincolnshire Branch of the Pharmaceutical Society, left £4.501 (£4,450 net).

MR. C. F. SHEWELL, M.P.S., Wendover, The Warren, Cromer, Norfolk, left £21.708 (£20,940 net).

MR, A. SIMPSON, 24 Swinley Road, Wigan, Lanes, who qualified as a chemist and druggist in 1920, left £17,013 (£16,901 net),

MR. N. F. TYLER, M.P.S., Springfield Cottage. Pan Jane, Niton, Isle of Wight, left £3,928 (£3,367 net).

MR, E. R. WALKER, 8 Walnut Grove, Radcliffe-on-Trent, Nottingham, formerly a director of Boots Pure Drug Co, Ltd., left £2,305 (£1.363 net).

of Boots Pure Drug Co, Ltd., left £2,305 (£1,363 net).

MR, J. H. WHITE, M.P.S.N.L., F.B.O.A., Sunnymede, Lodge Road, Colcraine, co. Londonderry, a past-chairman of the North-east Ulster Chemists' Association, left personal estate in England and estate in Northern Ireland valued at £24,967.

PRINT AND PUBLICITY

Booklet for Farmers

A NEW 40-p. booklet "Practical Measures Against Sheep Diseases" has been issued by Burroughs Wellcome & Co., The Wellcome Building, Euston Road, London, N.W.1, and is available for distribution through veterinary surgeons and pharmacists. It gives particulars of the immunisation cover afforded by vaccines and antisera, and of the economy of Covexin simultaneous vaccination against seven clostridial diseases. It also contains sections on the weakly lamb, worm infestations and vitamin D deficiency.

PRESS ADVERTISING

PHILIPS ELECTRICAL, LTD., Century House, Shaftesbury Avenue, London, W.C.2: Philips Philishave electric razors, Sleepluxe electric blankets and hair driers, In national Press. RECKITT & SONS, LTD., Hull, Yorks: Disprin.

In major newspapers,

ROBERT SHAW & CO., LTD., Ascot Works, Ascot Road, Nottingham: Lion hair care products. In She, My Home, Everywoman, Housewife, Flair and Vanity Fair.



DISPLAY OUTER: Pack of Fiery Jack rubbing ointment and remainder of twelve in new display onter available from Fylde Laboratories, Ltd., Kent Street, Preston, Lancs.

COMMERCIAL TELEVISION

Figures in these columns represent the number of appearances of the "spot" during the week

December 27 to	Januar;	y 2		London	Midland	North	Seotland	Wales	South	North-east	Anglia	Ulster	Westward	Border	Grampian	Eireann	Channel Is.	W.&N.Wales
Anadin				4	4	3	4	4	2	5	2	3	4	2	2	_	1	_
Andrews liver salt	*/5			1	1	2	1	5	2	4	3	4	4	2	4	_	1	_
Antussin				2	3	5	2	4	4	2	3	3	_	_	_	_	_	_
Askit powders and	tablets			-	_	_	14	_	_	_	_	_	_	3	- 3	_		_
Beecham's pills				_		_	_	_	_	1	—	_	_		—	_		_
powders	51.5			5	4	7	5	5	- 6	5	6	3	4	.3	. 3	_	- 6	_
Bisodol				_	1	_	_		_	-	_	_		_	-	_	_	_
Buttercup syrup				_	_	2	_	_	_	2	_			_		_	_	—
Carter's little liver	pills	5.50	5 + 5	_	3	- 3	_	3	3	_	3	_		_	_	_	_	_
Dentucreme				1	1	1	1	1	1	1	1	1	1	1	1	_	1	
Germolene				2	- 1	1	_	3	3	4	4	2	3	_	1		_	
Loxene shampoo			21.5	1	2	_	1	1	1		1	1	1	1	1	_	_	_
Milk of Magnesia t	ablets	***		3	1	2	2	5	2	3	2	3	3	1	1	_	2	
Penetrol products					1	1	_	_	_		_	_	_			_	_	_
Phyllosan				.3	2	3	_	.3	10	3	3	3	_	_	_	_	_	_
Procol					_	1	_		_	_	_	_		_		_	_	_
Radian β		***		_	_	1	_	_	_	_		_	_	_	_	_	_	—
Rennies	• • •			1	_	3	_	3	1	3	2	_	1	_	—	_	_	
Setlers			0.15	1	1	4	_	1	3	1	1	2	1	_	_		_	
Veno's cough mixt	ure		//*	2	3	4	2	2	1	2	3	1	2	2	2	_	1	_



SALES AIDS: Show material offered by Max Factor Hollywood and London (Sales), Ltd., 16 Old Bond Street, London, W.I. Left, a counter "dispenser" that aims at a double sale of Lash Full with eye make-up remover pads. The "dispenser" holds 1 doz, Lash Full packs and six jars of the pads. At right is a point-of-sale display for Lash Full, showing correct method of application.

PUBLICATIONS

Price Lists

HOPKINS & WILLIAMS, LTD., Chadwell Heath, Essex; Price list of reagents for chemical analysis (10 pp.),

R. F. HUNTER, LTD., Celfix House, 51 Gray's fun Road, London, W.C.1: Descriptive price list of Paterson photographic equipment.

list of Paterson photographic equipment,
MAY & BAKER, LTD., Dagenham, Essex: Price
list of M & B medicinal products 1965 (pp.
38).

Newspapers

ANDRE PHILIPPE, LTD., 71 Gowan Avenue, Fulham, London, S.W.6: André Philippe News (second edition).

Catalogues

WARREN, MORRISON, LTD., 41 St. James's Place, London, S.W.1: Catalogue of Warren, Morrison pinch valves.



SELF-SERVICE "DISPENSER": New "dispenser" produced by Eucryl, Ltd., Southampton, for their smoker's tooth-powder. It has a rigid wire frame and metal panelled front and back, and holds I doz. tins.

COMING EVENTS

Items for inclusion under this heading next week should be sent in time to reach the Editor not later than first post on Monday, December 21.

Advance Information

SOUTH WEST LONDON CHEMISTS' ASSOCIATION, Ardington rooms, Clapham Junction, London, S.W.11, at 6.45 p.m. New Year party, January 6, Tickets (price 30s, each) should be obtained from Mr. A. F. W. Pollard, 503 Wandsworth Road, London, S.W.8.

TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," December 2

For chemical products containing phosphorus, for use in agricultural, horticulture, viticulture and forestry (1)

ENDOFOS, 864,369, by CIBA, Ltd., Basle, Switzerland.

For chemical products for use in the manufacture of toilet preparations for the hair (I)

BIOMIN, 866,707, by Beecham Group, Ltd., Brentford, Middlesex,

For all goods (1)

868,369, DESMOPAN, by Farbenfabriken Bayer, A.G., Leverkusen, Germany.

For chemical products in solution or dispersion form for use in agriculture (I) and pharmaceutical and veterinary substances in the form of solutions and dispersions (5)

OLIGOSOL, 848,324, B848,326, by Labcatal, Paris. France

For preparations for use in the permanent waving of the hair (3)

REALISTIC SNAP-AND-BODY, B828,373, by Realistic Co., Cincinnati, Ohio, U.S.A.

For non-medicated toilet preparations, cosmetics, cosmetic cases for personal use, perfumes, preparations for the halr and bath preparations (non-

medicated) (3)
EVETTE, B849,124, by E. R. Halloway, Ltd., Welwyn Garden City, Herts.

For perfumes and non-medicated toilet prepara-tions, but not including cosmetic preparations (3) WILD SILK, 860,407, by Goya, Ltd., London, W.1.

For all goods (3)

TICKERTAPE. 866,788, by Aspro-Nicholas, Ltd., Slough, Bucks.

For all goods, but not including goods made of or incorporating paper or the like material (3) CARESS, 860,776, by Unilever, Ltd., Port Sunlight, Ches.

For toilet preparations for the hair and chemical heating pads, all for use in the permanent waving of the hair (3)
SUPERMA SUPAPERM, 866,144, by Superma,

Ltd., London, W.1.

For tooth-paste, cosmetic creams (not medicated) (3)

POMORIN, 867,735, by Darjavno Industrialno Predpriatie Aroma, Sofia, Bulgaria.

For cotton tuits on sticks, for surgical, medical

and dental purposes (5)

Device with words JOHNSON'S COTTON
BUDS, 853,227, by Johnson & Johnson, New
Brunswick, New Jersey, U.S.A. For all goods (5)

DOMEFORM, CARBO-DOME, 860,201-02, by DOMEFORM, CARBO-DOME, 800,201-02, 09
Dome Chemicals, Inc., Elkhart, Indiana,
U.S.A. ORPARAN, 864,660, by Chugai Seiyaku, K.K., Tokyo, Japan, TRIPTAFEN,
866,008, by Allen & Hanburys, Ltd., London,
E.2. TACT PAT-A-DRY, 868,215, by ColgatePalmolive, Ltd., London, W.1.

For bactericidal and fungicidal substances; swaddling bands and swaddling materials, all being materials prepared for bandaging, bandages and sanitary towels, all treated with bactericidal and fungicidal substances (5)

Device with word SANITIZED, B860,826, by Sanitized Verwertungs, A.G., Lucerne, Swit-

pharmaceutical preparations wholly or predominantly of mixtures of kaotin, boric acid and magnesium silicate, for use in the treatment of the skin (5)

DERPHYL, 847,041, by Bailly, Ltd., Wembley, Middlesex,

For effervescent pharmaceutical tablets containing vitamin C (5)

CELIMO, 862,211, by Chemofux Marokkanergasse, Vienna, Austria.

For dietetic preparations and substances (5)

BIKINI, 863,009, by Britanol, Ltd., Leeds,

Yorks.

For liquid veterinary preparations for administration in drop form (5)

FECODROP, 863,350, by Gunther Fiegenbaum, Hamburg, Germany,

For intramammary injections for the treatment of bovine mastitis (5)

NIZONE, 865,021, by Osmond & Sons, Ltd., Grimsby, Yorks.

For pharmaceutical preparations and substances

DOMNUS, 865,262, by Smith Kline & French Laboratories, Ltd., Welwyn Garden City, Herts. PERNIBAN, 867,426, by The British Drug Houses, Ltd., London, N.I.

For pharmaceutical preparations and substances,

all for veterinary use (5)
PARAMEZ, 865,919, by Imperial Chemical Industries, Ltd., London, S.W.I.

For pharmaceutical preparations (5) EPACORT PLUS, 868,949, by Ma Pharmaceuticals, Ltd., London, W.C.2. Marshall's

For razors, scissors (not being for surgical purposes) and instruments for use in manicure (8)

ANCHOR, 862,554, by Robert Shaw & Co., Ltd. Nottingham

For photographic, cinematographic and optical apparatus and instruments and parts (9)

HALINAMAT, 868,290, by W. Haking Industrics (Mechanics & Optics), Ltd., Hong Kong. For photographic apparatus and instruments and

ZEPHYR, 869,897, by Boots Pure Drug Co., Ltd. Nottingham.

For shaving mirrors and toilet mirrors (20) Device with words HAYWOODS CASTLE, 859,389, by J. H. Haywood, Ltd., Nottingham, For drinking straws made of plastics (20)

GLAD, 861,689, by Union Carbide Corporation, New York, U.S.A.

For rubber hot-water bottles (21)

CONCORDE, B863,925, by Boots Pure Drug Co., Ltd., Nottingham.

For natural sponges and artificial sponges, all Impregnated with polishing and/or cleansing media

DUO-TEX, 867,803, by Sponcel, Ltd., Croydon, Surrey.

PATENTS

COMPLETE SPECIFICATIONS ACCEPTED From the "Official Journal (Patents)," November 25

Detergent compositions and method of preparation. Economics Laboratory, Inc. 979,436.

Production of potassium monopersulphate. Soc. l'Air Liquide, S.A., pour l'Etude et l'Exploitation des Procedes Georges Claude, 979,450. Production of terpene esters and alcohols. A. Boake Roberts & Co., Ltd. 979,523.

Production of allylic terpene esters, A. Boake Roberts & Co., Ltd. 979,524.

Hydrazinium compounds and compositions containing them. Wellcome Foundation, Ltd. 979,551.

Benzyl piperidyl ketones. Laboratoire Roger Bellon, 979,555.

Herbicidal ureas and thioureas and their use and preparation containing them, CIBA, Ltd. 979.558.

Basic esters and acid addition salts thereof, Karl Thomae, G.m.b.H. 979,562. Stabilisation of liquid surphur trioxide, Allied Chemical Corporation. 979,563.

Phosphonic or thionophosphonic acid esters and process for the production thereof. Farben-fabriken Bayer, A.G. 979,568. Preparation of 3,3,3-trifluoropropene. Dow Chemi-

cal Co. 979,618.

Process for the production of orthohydroxybenzyl alcohols. Rhone-Poulenc. S.A. 979.656.

Process for making I,I-dichloro-2-fluoroethylene. Richardson Co. 979,670.

Double nitrates and method for their preparation. Monsanto Co. 979,672.

Pharmacentical compositions containing esters of quaternary atropinium salts. Dr. Schwarz Arzneimittelfabrik, G.m.b.H. 979,680.

Modified wax compositions, Dow Chemical Co. 979,745.

Reagents for the determination of gonadotropins and method for the preparation and use of said reagents. Organon Laboratories, Ltd. 979,759. Production of nicotinic or isonicotinic acids, Instytut Chemi Ogolnej, 979,761.

16β-acetyl-3:20-diketosteroids, their manufacture and use. Farbwerke Hoechst, A.G. 979,769. Griseofulvin derivatives, Merck & Co., Inc.

Pharmaceutical preparations, E. Merck, A.G.

979.874. Holders for cosmetic sticks. Chesebrough-Pond's, Ltd. 979,883.

Insecticidal compositions, Shell Internationale Research Maatschappij, N.V. 979,888.

Steroid compounds and processes for their pro-

duction Roussel-Uclaf, 979,891.

Derivatives of 19-nor-testosterones and processes for their preparation, Roussel-Uclaf, 979,892.

British patent specifications relating to the above will be obtainable (price 4s, 6d, each) from the Patent Office, 23 Southampton Buildings, Chancery Lane, London, W.C.2, from January 1.

CONTEMPORARY **THEMES**

Subjects of contributions in current medical and technical periodicals.

ACETYLSALICYLIC ACID. The influence of diet on the toxicity of. J. Pharm. Pharmacol., December.

POSTAGE STAMPS. Portraits of chemists on. Dragoco Report, November.

SOME IMIDAZOLE DERIVATIVES, Synthesis and antiprotozoal activity of, J. Pharm. Pharmacol.,

IDOXURIDINE (IDU). Evaluation of, J. Amer. med. Ass., November 9.

DRUO NAMES, J. Amer. med. Ass., November 9. PRESCRIBINO and other aspects of general practice in three towns, Proc. roy, Soc. Med., November.

ANTIBIOTICS. Hazards of in milk and other foods Proc. roy. Soc. Med., November.

ESTERASE INHIBITORS as pesticides. November 20.

THE MEDICAL USE OF PLASTICS. Toxicity, untoward reactions, and related considerations in. J. Pharm, Sciences, November.

CANNABIS, Recent advances in the chemical research of, *Bull. Narcot.*, October-December. DRUG STABILITY, Factors affecting, *Amer. J.*

hosp. Pharm., October. HOSPITAL PHARMACY. The preparation of a procedure manual for a. Amer. J. hosp. Pharm..

October. AN EFFICIENT EMERGENCY DRUG TRAY. Amer. J. hosp, Pharm., October.

POLYTHIAZIDE AND SODIUM MERALLURIDE. Diuretic effect of, J. Amer. med. Ass., November 16. Paregoric addicts. Infections in, J. Amer. med. Ass., November 16.

FLUOROURACIL dosage schedule. J. Amer. med.

Ass., November 16.
EFFECT OF ALCOHOL ON IRON ABSORPTION, Brit. med. J., Dccember 5.

Effect of premedication and general anæsthesia on arterial blood gases, Brit, med. J., December 5.

SULPHORTHODIMETHOXINE (Fanasil). Antimalarial effect of. Brit. med. J., December 5.

A NEW ANTITYPHOID VACCINE, A suggestion for, Lancet, December 5.

in CYTOTOXIC DRUGS bronchial carcinoma. Lancet, December 5. AN IMPROVED FOLEY CATHETER, Lancet, Decem-

ber 5. THE CHEMOTHERAPY OF CANCER, Aust. J. Pharm.,

September 30. THE CELLS that organise vision, New Scientist,

December 10. NEW CENTRIFUGES for biological research. New Scientist, December 10.

HEART ACTION POTENTIAL: Dependence on external calcium and sodium ions. Science, November 27.

THE CARDIAC OUTPUT under halothane anæsthesia with induced hypotension. Lancet, December

2-ALLYLOXY-3-METHYLBENZAMIDE, Disturbance of porphyrine metabolism due to, in man. Lancet, December 12.

GASTRIC SPECULUM, Lancet, December 12,

ANDROGEN METABOLISM. J. Amer. med. Ass., November 23.

MEPHENESIN. Reaction to. J. Amer. med. Ass., November 23.

VITAMIN B12 ABSORPTION, J. Amer. med. Ass.,

November 23. ERYTHROMYCIN AND TETRACYCLINE. Effect of, in

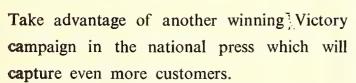
human bone-marrow cultures. Nature, December 12.

TETRACYCLINE. Uptake of, by human bone in vitro. Nature, December 12.

AN UNIDENTIFIED VIRUS which causes the rapid production of tumours in mice. December 12.



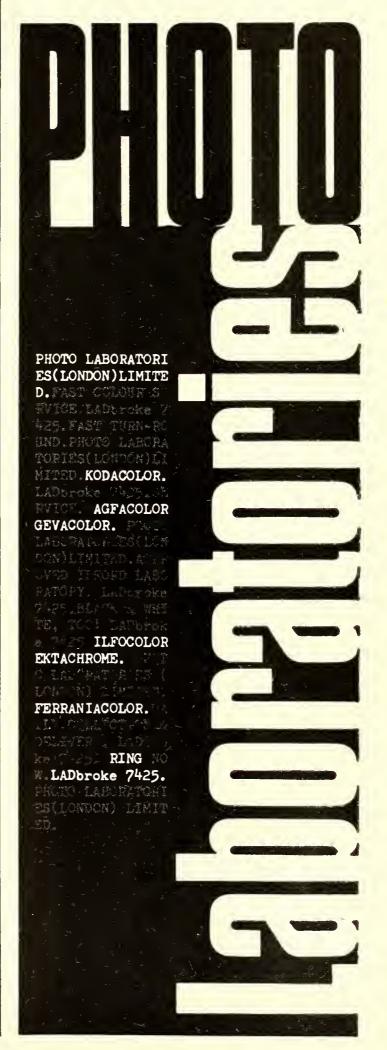
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Win the cold war — display Victory V on your counter.



Fryer & Co. (Nelson) Ltd., NELSON, Lancs.





The greatest supporting act in the business!

Display these brand leaders, and sales of *each* increase! That's a proven fact Stock Phillips, Scott & Turner family health products and you get: special display terms; generous profit margins and convenient 'parcel' terms; vigorous and persistent advertising support; rapid and rewarding business. That's a firm promise.

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APPOINTMENTS — 27/- per \(\text{"} \) s.c. minimum and pro rata, AGENTS — AUCTION SALES — BUSINESSES FOR SALE and WANTED — CLEARANCES and WANTS — CONTRACTS — MISCELLANEOUS — PATENTS — PARTNERSHIPS — PREMISES — PUBLIC and LEGAL NOTICES — SITUATIONS VACANT, Run-on — 4/6 per line (minimum 22/6), Semi-display — 27/- per \(\text{"} \) s.c, minimum, Displayed with border rule, larger type faces and blocks —67/6 per s.c.i, minimum, Reduced rates for one-third, one-half, and full pages on application. SITUATIONS WANTED — 7/6 per 18 words minimum, then 5d, per word. Use of Box No. — 3/-, Advertisements received by 4 p.m. Tuesday published same week.

CHRISTMAS 1964

The latest date for acceptance of Classified Advertisements over the Christmas period is as follows:—

ISSUE

COPY DATE

DECEMBER 26, 1964

Not later than 4 p.m. on

DECEMBER 18

PREMISES

NORTH LONDON. Freehold shop and flat. Ideal for chemist, Good position, £6,500, Mortgage facilities, (Alternatively one leasehold shop.) Phone: Archway 1546. C 6351

BUSINESSES WANTED

SMALL MANUFACTURING or factoring business supplying chemists, Would consider run-down proprietary line, Any types of lines considered. Details to Box C 6487.

APPOINTMENTS

CHARING CROSS GROUP OF HOSPITALS. FULHAM HOSPITAL ST. DUNSTAN'S ROAD, W.6

Senior Pharmacist and Pharmacist

Applications are invited for the above posts at this hospital. New development at the Hospital include a Sterile Ward for the treatment of Chorioepithilioma, Kidney Dialysis Unit and a Premature Baby Unit, An extension to the Pharmacy is planned for next year, Whitley Council salary scale and London Weighting. Applications stating age, qualifications and experience, together with the names of two referees to the Sceretary.

C 9716

CHARING CROSS GROUP OF HOSPITALS, FULHAM HOSPITAL, ST. DUNSTAN'S ROAD, W.6

Locum Pharmacists
required immediately, Applications to Chief
C 9725

DULWICH HOSPITAL EAST DULWICH GROVE, LONDON, S.E.22

Pharmacist whole-time, required, Whitley Council terms and conditions, Apply to the Chief Pharmacist, Dulwich Hospital, East Dulwich Grove, London, S.E.22.

PUBLIC APPOINTMENTS

ARMY SCHOOL OF DISPENSING Colchester Essex

REQUIRE

ONE Assistant Lecturer Grade "B" to teach trainees for the RAMC trade of Dispenser Class III and I, and for the Assistant in Dispensing Certificate of the Society of Apothecaries of London.

Initial appointment will be for a period of three years.

Qualifications: A University Degree or a Diploma acceptable by the Pharmaceutical Society of Great Britain for Registration as a Pharmaceutical Chemist. Teaching experience desirable though not maceutical Chemist. essential.

Salary: According to Burnham Further Education scale plus £195 non-pensionable allowance.

Teachers' Superannuation.

Requests for details of post and application forms should be made on POSTCARD to:

> Officer Commanding, Army School of Dispensing, Military Hospital and No. 9 Company RAMC, Colchester, Essex.

Closing date for applications will be 14 days from the date of this advertisement.

NORTH WIRRAL HOSPITAL MANAGEMENT COMMITTEE, VICTORIA CENTRAL HOSPITAL MEDICAL UNIT, MILL LANE, WALLÁSEY

Senior Pharmacist Salary £851 by increments to £1,113. Applications to Hospital Secretary. C 9727

LONDON CHEST HOSPITAL, **BONNER ROAD, E.2**

Dispensing Assistant

required. Apothecaries' Hall Certificate pre-ferred, Whitley Scale, Recently modernised pharmacy. Applications to House Governor, London Chest Hospital, Bonner Road, E.2. C 9736

Appointments—Continued

EVELINA CHILDREN'S HOSPITAL OF GUY'S HOSPITAL, SOUTHWARK BRIDGE ROAD, LONDON, S.E.1

Dispensing Assistant required. Interesting and varied duties, Canteen facilities, Salary according to age and qualifications £364 at 18 rising to £528 at 22 with subsequent annual increments to maximum of £703. Applications to Hospital Secretary. C 9741

HILL END HOSPITAL, ST. ALBANS, HERTS

Chief Pharmacist (Category II) Chief Pharmacist (Category II)
required for the above modern and progressive psychiatric hospital of some 750
beds, Post will be vacant 1st January, 1965,
on the retirement of the present occupier.
Three bedroomed, detached house available
at a present rent of £2 5s, 7d, per week.
Salary £987 rising to £1,325 per annum.
Conditions of service in accordance with
the recommendations of the Pharmaccutical
Whitley Council, Post subject to National
Health Service (Superannuation) Regulations.
Form of application from the Hospital application from the

MORGANNWG HOSPITAL,
MANAGEMENT COMMITTEE
Dispensing Assistant
Applications are invited for the appointment of a Dispensing Assistant at the Morgannwg Hospital, Bridgend.
The appointment is subject to the terms and conditions of the appropriate Whitley Council. The salary will be according to age up to 21 years, commencing at £349 at 18 years, and for persons 22 years and over, a scale of £503 by seven annual increments to a maximum of £678 per annum.
Applications stating age, qualifications, experience, present and previous appointments, together with the names and addresses of two referees, should be sent to the Group Secretary, Morgannwg Hospital, Bridgend, Glamorgan, and received not later than the 31st December, 1964.

C 6538

NORTHERN IRELAND
HOSPITALS AUTHORITY
Senior Pharmacist
To undertake duties at hospitals in the West
Tyrone area, Salary scale £851-£1,113, Applications with full details to the Secretary,
Tyrone County Hospital, Omagh, Northern
Ireland, as soon as possible, C 6536

ROYAL ALEXANDRA INFIRMARY, PAISLEY

Applications are invited for the post of Pharmacist in this Category IV hospital, Whitley salary scale, Applications, with the names of two referees, to the Chief Pharmacist. C 9742

ROYAL FREE HOSPITAL

Pharmacist

Applications are invited for the post of Pharmacist at the above Hospital. Whitley Council salary scale with extra pay for evening clinics, Apply naming two referees to Group Chief Pharmacist, Royal Free Hospital, Gray's Inn Road, W.C.1. C 679

ST. HELIER HOSPITAL

ST. HELIER HUSPITAL, CARSHALTON, SURREY Whole-time Dispenser required for duties in a Category V hos-pital, Applications, with details of previous experience and the names and addresses of two referees to the Group Pharmacist, C 9730

ST. ALBANS CITY HOSPITAL, NORMANDY ROAD, ST. ALBANS, HERTS

Locum Tenens Pharmacist

required immediately. Accommodation can be provided if required, Whitley Council salary and conditions of service, Applications naming two referees to Hospital Secretary, C 9707

YORK "A" H.M.C.

Denuty Chief Pharmacist (Category IV)

required for County Hospital. This is a group service and further details of the appointment may be obtained from the Group Chief Pharmacist, City Hospital, York, Salary scale £898 to £1,223 p.a. Applications stating age, education, qualifications and experience together with names of two referees to Group Secretary. Bootham Park, York, by 28th December, 1964. C 9733

ST. PETER'S HOSPITAL, CHERTSEY, SURREY (359 beds)

(359 beds)
Senior Pharmacist
required at the above General Hospital.
House may be available, Whitley Council Conditions of Service.
Applications to the Hospital Secretary.
C 9745

THAMES GROUP HOSPITAL

MANAGEMENT COMMITTEE
Applications are invited for the following appointments:—

Senior Pharmacist
East Ham Memorial Hospital, Shrewsbury
Road, Forest Gate, E.7.

Pharmacist

Pharmacist

St. Clement's Hospital, Bow Road, E.3
In sole charge, part-time or full-time for this Psychiatric Hospital of 123 beds with out-patients' department and Day Hospital. Applications to respective Hospital Secretaries.

Secretaries.

PUBLIC APPOINTMENTS

NATIONAL HEALTH SERVICE JOINT PRICING COMMITTEE FOR ENGLAND

Technical Officer

Applications are invited from suitably qualified and experienced persons for the post of Technical Officer in the Head Office of the Joint Pricing Committee for England situated in Newcastle upon Tyne. The Committee is responsible for the pricing of all National Health Service prescriptions dispensed in England and for the preparation of statistical reports on doctors' prescribing, etc., and the work is undertaken in 20 offices in various centres of the country.

This newly created post will be remunerated in accordance with the Senior Administrative Grade and the salary will be £1,164 to £1,430 by six annual increments.

The successful applicant will need to have or be able to acquire a comprehensive knowledge of the whole of the Pricing Service, pharmaceutical knowledge and experience will be an advantage. The ability to prepare technical literature on pricing matters and instructions on fields of work will be necessary. The Technical Officer will also be required to investigate and report on the organisation of pricing offices and on the methods employed including training matters. The appointment is subject to the Superannuation Regulations, will be terminable by one month's notice on either side and the person appointed may be required to pass a medical examination.

Applications stating age, qualifications, experience and particulars of present appointment together with the names and addresses of two referces should reach the undersigned not later than Thursday, 31st December, 1964.

SITUATIONS VACANT

RETAIL (HOME)

PHARMACIST, lady or gentleman required to manage unopposed expanding pharmacy in pleasant residential area near Derby, Good salary and prospect of interest in business. Box C 6530.

BRANCH MANAGER

PHARMACIST

Branch Manager or Manageress Pharmacist required for Pharmacy Section of new Store opening shortly on the South Coast, Excellent remuneration, permanent superannuated position.

Applications in writing giving age, details of experience, etc., to the Personnel Manager, P.I.M.C.S., Ltd., Fratton Road, Portsmouth, C 692

FOUR REPRESENTATIVES required by well-known manufacturers of cosmetics and toiletries—2 for London areas, 1 for Scotland, 1 for Northern Ireland, Applications will be considered from first-class Agents with established connections in Scotland and N, Ireland, Preferably car owners but company's car provided for exceptional applicant, Remuneration by salary, car allowance and commission, but guaranteed £30 per week initially. Full details to Columbia Products Co, Ltd., Avenue, Binstead, Ryde, Lo.W. C6539

RETAIL (OVERSEAS)

ESTABLISHED MODERN DRUG STORE, excellent situation in Bermuda, requires pharmacist to undertake dispensing and assist manager in general duties. Pleasant personality important, age 25-35 years. Passage out and immigration deposit paid by employers, Apply in writing to Mrs. D. C. Woolf, Prinstead Farm, Prinstead, nr. Emsworth, Hants, giving full particulars. Details of salary, etc., on application. C 6540

PHARMACIST REQUIRED to manage retail business in South Australia, Sponsored emigration facilities, Housing available, Salary £A50 per week, Details from B, M, Wood, Drug Houses of Australia Export, Ltd., 18-20 Southwark Street, S.E.1.

WHOLESALE

OLD-ESTABLISHED FIRM of manufacturing chemists in North London area require experienced galenical process worker to act as charge hand in the production laboratories, Disciplinarian required, Essential qualifications are manufacturing experience, organising ability and conscientious application. Contributory pension rights, 42-hour/5-day week, Wages £14 plus, Write giving full details of experience to Box C 6542.

SITUATIONS VACANT WHOLESALE

COSMETIC and perfumery company requires representative for the Midlands, Sound knowledge of trade in that area essential. Excellent salary, expenses and car provided for right man. Applications in writing only to Germaine Monteil/Caron, 2 Old Bond Street, W.1. C 6535

AGENTS

FREE-LANCE REPRESENTATIVES quired with good connections with retail chemists for most areas of Scotland and N. England for fast selling range of pharmaceuticals on commission basis. Telephone and car essential, Earning potential £20-£80 per week, Full details, please, Box C 6543.

MANUFACTURING CHEMISTS in Dublin offer their services to any firm wishing to enter the Irish Market, This is an established firm with representatives covering Ireland and having excellent connections with the medical profession, retail and wholesale chemists, etc., with facilities for introduction and distribution of products, Box C 6537. MANUFACTURING CHEMISTS in Dublin

REPUTABLE COMPANIES who require agent with wide experience and connections with stores, wholesalers, and multiples, etc., eovering London, Home Counties and South Coast, contact Box C 6488.

SCOTLAND

Sole Agent required in Scotland for of Correna sunglasses, Established connection with high-class chemists and top-class stores essential, Further details on request. Box

WANTED

WE WILL PURCHASE for cash a complete stock, a redundant line, including finished or partly finished goods, packing raw materials, etc. No quantity too large, Our representative will eall anywhere. Write or telephone Lawrence Edwards & Co., Ltd., 6/7 Wellington Close, Ledbury Road, London, W.11. Tel.; Park 3137-8.

BUSINESS OPPORTUNITIES

£500 CASH EVERY 5 YEARS for those unexpected bills. The Quintife plan provides just this with immediate Life Assurance cover at the same time. Write today for full details. Medical Insurance Services Limited, 131 New London Road, Chelmsford. Essex. C 9567

ARNOLD PRECISION SCALES, For good quality Dispensing and Drug Scales, Ratio Tablet Counting Balances, ctc. May we send you illustrated literature? Holmethorpe Works, Frenches Road, Redhill, Surrey. Redhill 4301.

BUY YOUR OWN EQUITY SHARE PORTFOLIO and completely protect your investment in the event of death or continued illness. Repayments attract maximum income tax relief, Write today for lull details, Medical Insurance Services, Ltd., 131 New London Road, Chelmsford, Essex.

EIRE. Wholesale chemists interested in representation, manufacture, packing or distribution of pharmaceutical goods, veterinary preparations or instruments, sundries, toilet or perfumery items or any lines appertaining to chemists' business. Box C 6544.



Applications are invited from Pharmacists preferably with at least 5 years' experience and some background in the theory and practice of tableting, including granulation, compression

There are sound prospects of promotion to head of department and a good commencing salary will be offered.

Applications, with full details, should be sent to:

The Personnel Manager, Ref.: HAC/AWN, The British Drug Houses Ltd., Graham Street,

City Road, London, N.1.

C 9743

MANLY MAN'S BELT. Nationally advertised "obtainable from chemists," 39/6, Full trade terms, Order by waist measurement from Manly Co., Manor House, Worcester Park, Surrey. DÉRwent 3877.

MANUFACTURING FACILITIES available for mcdicinal, toilet or household products, Bulk or packed. Large or small quantities, Qualified

READE BROTHERS & CO., LTD., Sharrock Street, Wolverhampton

C 682

NOVELTY LINES WANTED

Largest Wholesalers to the Chemists'
Trade in Southern Hemisphere
would welcome offers of exclusive or
novelty lines for distribution through
5,000 outlets in Australia.

Drug Houses of Australia

Export Ltd.,

18-20 Southwark Street, S.E.1

C 6525

C 6525

TENDERS

NORTHERN IRELAND HOSPITALS AUTHORITY

Tenders are invited for the supply of drugs to all hospitals for the period 1st April, 1965, to 31st March, 1966.

Full information and form of tender Full information and form of tender may be obtained from the Secre-tary, Northern Ireland Hospitals Authority, 25 Adelaide Street, Bel-fast, 2, to whom completed tenders, labelled as instructed, should be sent so as to reach him not later than 5 p.m. on Monday, 18th January, 1965.

Special consideration will be given to firms on the King's National Roll.

The Authority do not bind themselves to accept the lowest or any tender. C 9728

FOR SALE

DISPLAY CABINETS AND SHOWCASES (17 in number) are available for inspection and sale at the London premises of Sangers, Ltd. Please apply to the Company Secretary, 25/29 Tolmers Square, Hampstead Road, London, N.W.1, Tel.: EUS, 4343, C 6541

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PLASTIC BABY PANTS
Large Size, White, Pink and Blue
Rose scented and lanolin impregnated. Rose scented and lanoin impregnated.
Elastic or taped legs in counter display boxes or cellophane pack.
Price list and sample on request SPECIAL QUOTATIONS FOR QUANTITY

A. & H. HEYMAN,
27 Grange Road, Darlington

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ESSENTIALS OF TREATMENT

1st Edition, 1956

A MOST concise guide to modern medi-A MOST concise guide to modern medical outlooks on many commonly encountered diseases and conditions, showing the place of the newer remedies among those of longer establishment, and discussing the relative merits of medical, surgical and nursing techniques niques.

Price 17s. 6d. Postage 9d.

C. & D. REFRESHER COURSE FOR PHARMACISTS

New edition in course of preparation

WRITTEN and compiled by a panel of experts under Mr. Colin Gunn (Head of School of Pharmacy, Leicester College of Technology), the course brings seasoned pharmacists into the picture on subjects that were not in the curriculum when they qualified. Modern advances in pharmaceutics are simply and concisely explained. and concisely explained.

THE CHEMIST AND DRUGGIST, 28 Essex Street, Strand, London, W.C.2



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SECTION

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BEST RESULTS

Whatever your want may be-securing or disposal of property or business agencies, assistants, situation or appointment, sale of equipment or surplus stock — you can always rely on this renowned medium. It provides first-class contacts either at home or overseas.

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RUN-ON-4/6 per line. Minimum 22/6.

SEMI-DISPLAY—27/- per $\frac{1}{2}$ " s.c. minimum and pro rata (as used for Appointments and "indented" advertisements).

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(using border rules, larger type faces and blocks, screen 100, if required.)

Larger spaces are available at less than pro rata inch rates:— $\frac{1}{3}$ page 9" × 1-11/12", $4\frac{1}{2}$ " × 4", 3" × $6\frac{1}{4}$ "—£30. $\frac{1}{2}$ page $4\frac{1}{2}$ " × $6\frac{1}{4}$ "—£42. Full page 9" × $6\frac{1}{4}$ "—£80.

Measurements given are depth x width. The single column width is 1-11/12".

SITUATIONS WANTED-7/6 for 18 words minimum, then 5d per word.

BOX NUMBERS-3/- including forwarding of replies.

Press date is 4.0 p.m. TUESDAY in London. Instructions and 'Copy' accompanied by Remittance should be sent to:

THE PUBLISHER.

CHEMIST AND DRUGGIST 28 ESSEX STREET, STRAND, LONDON, W.C.2

Telephone: CENtral 6565



FIRST AID OUTFITS for OFFICES, SHOPS and RAILWAY PREMISES ORDER.

FIRST AID ORDER 1964, S.I. No. 970.

The above order is effective from 1st December, 1964, from which date the premises concerned must provide a First Aid box or cupboard for the use of employees in accordance with the schedule below:

Type of Premises	Outfit to be provided where number employed at any one time is:				
	1 to 10	11 to 50	51 to 150		
Offices and Shops	One No. A12	One No. A13 or A14	One No. A15 or A16		
Railway and Fuel Premises also Warehouses where Mechanical Power is used	One No. A13 or A14	One No. A15 or A16	One No. A17		
Premises where butchery work is carried on or in which machinery is used for cutting, slicing or sawing	One No. A13 or A14	One No. A13 or A14	One No. A15 or A16		

Where the number of persons employed to work at any one time exceeds 150, further First Aid Outfits must be provided in accordance with the above scale.

DESCRIPTION AND PRICES

The outfits supplied are strictly in accordance with the statutory requirements.

		Trade Price	Suggested Retail Price
No. A12.	Contents No. 1 in an enamelled metal box with a hinged lid, size $8\frac{5}{8}$ " x $5\frac{1}{2}$ " x 2" deep	9/8	13/6 each
No. A13.	Contents No. 2 in an enamelled metal box with a hinged lid, size $8\frac{1}{2}$ " x $5\frac{1}{2}$ " x $3\frac{1}{2}$ " deep	23/-	32 /– each
No. A14.*	Contents No. 2 in a strong wooden case, size $12'' \times 10\frac{3}{4}'' \times 2\frac{3}{4}''$, fitted with a fall front, spring catch and hanging plates	*40/-	50 /- each
No. A15.	Contents No. 3 in a strong metal black japanned box, wall fixing, enamelled white inside, fall front, size $10'' \times 8\frac{3}{4}'' \times 5\frac{1}{2}'' \dots$	50 /–	60 /– each
No. A16.*	Contents No. 3 in a strong wooden case, size $13'' \times 11\frac{1}{4}'' \times 3\frac{3}{4}''$, fitted with a fall front, spring catches and hanging plates	*59/-	69 /– each
No. A17.*	Contents No. 4 in a strong wooden case, size $16\frac{1}{4}$ " x $12\frac{1}{4}$ " x 5", fitted with a fall front, spring catches and hanging plates	*85/-	95 /– each
	*D 1 T : 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		

*Purchase Tax will be charged if applicable.

Minimum Order: £5 (all goods)
Carriage Paid: £7 (all goods)

CUXSON, GERRARD & CO. LTD. OLDBURY · BIRMINGHAM (BROadwell 1355)

